

Trade Name: PCBK Excalibur Black Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCBK Excalibur Black Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

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## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

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#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

#### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

#### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

#### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

#### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

#### **6.4 Reference to other sections**

Refer to section 8

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

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### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	Black
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

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### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated

**Safety data sheet in accordance with regulation (EC) No 1907/2006**



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**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

**15.2 Details of International Registration Status**

Relevant information about individual substance inventories, where available, is given below.

**European Economic Area (EEA):REACH** (Regulation (EC) No 1907/2006):

**General note:** The required REACH obligations for individual substance included in the mixture that will exceed 1 tonne or more per year imported into the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier.

Chemical Name	CAS #	REACH registration no.	Status
1,2 cyclohexane di carboxylic acid, diisononyl ester	166412-78-8	01-0000017810-74-0001 01-0000017810-74	Qualify for re-import exemption of Art.2(7)© REACH

**Other information**

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable



**Safety data sheet in accordance with regulation (EC) No 1907/2006**



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**Hazardous Material Information System**

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

**SECTION 16: Other information**

**Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

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## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCBGS Excalibur Blue GS Pigment GS Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

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## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200

No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

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#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

#### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

#### **5.3 Advice for firefighters**

Fire-fighting personnel should be equipped with self-contained breathing apparatus

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

#### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

#### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

#### **6.4 Reference to other sections**

Refer to section 8

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

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### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	Blue
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

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Stable under recommended storage and handling conditions (see section 7).

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



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## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

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## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCFBL Excalibur Flo Blue Pigment Conc.

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## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCFBL Excalibur Flo Blue Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

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## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200

No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

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#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

#### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

#### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

#### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

#### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

#### **6.4 Reference to other sections**

Refer to section 8

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

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### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	blue
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

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### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.



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## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCFBL Excalibur Flo Blue Pigment Conc.

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## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

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## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCFGR ExcaliburFlo Green Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCFGR Excalibur Flo Green Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCFGR ExcaliburFlo Green Pigment Conc.

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## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200

No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

Trade Name: PCFGR ExcaliburFlo Green Pigment Conc.

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#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

#### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

#### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

#### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

#### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

#### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCFGR ExcaliburFlo Green Pigment Conc.

Revision date: March 2023

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

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### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	green
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).



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### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCFGR ExcaliburFlo Green Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCFGR ExcaliburFlo Green Pigment Conc.

Revision date: March 2023

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## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCFGR ExcaliburFlo Green Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCFMA Excalibur Flo Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCFMA Excalibur Flo Magenta Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCFMA Excalibur Flo Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

Trade Name: PCFMA Excalibur Flo Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

#### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

#### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

#### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

#### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

#### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCFMA Excalibur Flo Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.



Trade Name: PCFMA Excalibur Flo Magenta Pigment Conc.

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### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	red/rose
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Trade Name: PCFMA Excalibur Flo Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCFMA Excalibur Flo Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCFMA Excalibur Flo Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCFMA Excalibur Flo Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCFOR Excalibur Flo Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCFOR Excalibur Flo Orange Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCFOR Excalibur Flo Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

Trade Name: PCFOR Excalibur Flo Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

#### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

#### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

#### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

#### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

#### **6.4 Reference to other sections**

Refer to section 8



Trade Name: PCFOR Excalibur Flo Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCFOR Excalibur Flo Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	orange
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Trade Name: PCFOR Excalibur Flo Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCFOR Excalibur Flo Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCFOR Excalibur Flo Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCFOR Excalibur Flo Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCFPI ExcaliburFlo Pink Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCFPI Excalibur Flo Pink Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCFPI ExcaliburFlo Pink Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available



Trade Name: PCFPI ExcaliburFlo Pink Pigment Conc.

Revision date: March 2023

Revision no: 3

#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

#### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

#### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

#### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

#### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

#### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCFPI ExcaliburFlo Pink Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCFPI ExcaliburFlo Pink Pigment Conc.

Revision date: March 2023

Revision no: 3

### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	red/rose
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Trade Name: PCFPI ExcaliburFlo Pink Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCFPI ExcaliburFlo Pink Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCFPI ExcaliburFlo Pink Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCFPI ExcaliburFlo Pink Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCFRE Excalibur Flo Red Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCFRE Excalibur Flo Red Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases



Trade Name: PCFRE Excalibur Flo Red Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200

No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

Trade Name: PCFRE Excalibur Flo Red Pigment Conc.

Revision date: March 2023

Revision no: 3

#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

#### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

#### **5.3 Advice for firefighters**

Fire-fighting personnel should be equipped with self-contained breathing apparatus

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

#### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

#### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

#### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCFRE Excalibur Flo Red Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCFRE Excalibur Flo Red Pigment Conc.

Revision date: March 2023

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### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	red
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Trade Name: PCFRE Excalibur Flo Red Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCFRE Excalibur Flo Red Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCFRE Excalibur Flo Red Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCFRE Excalibur Flo Red Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.



Trade Name: PCFVI Excalibur Flo Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCFVI Excalibur Flo Violet Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCFVI Excalibur Flo Violet Pigment Conc.

Revision date: March 2023

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## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

Trade Name: PCFVI Excalibur Flo Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

#### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

#### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

#### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

#### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

#### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCFVI Excalibur Flo Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCFVI Excalibur Flo Violet Pigment Conc.

Revision date: March 2023

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### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	violet
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Trade Name: PCFVI Excalibur Flo Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCFVI Excalibur Flo Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated

**Safety data sheet in accordance with regulation (EC) No 1907/2006**



Trade Name: PCFVI Excalibur Flo Violet Pigment Conc.

Revision date: March 2023

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**15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

**Other information**

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

**Hazardous Material Information System**

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B



Trade Name: PCFVI Excalibur Flo Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCFYE Excalibur Flo Yellow Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCFYE Excalibur Flo Yellow Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCFYE Excalibur Flo Yellow Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200

No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

Trade Name: PCFYE Excalibur Flo Yellow Pigment Conc.

Revision date: March 2023

Revision no: 3

#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

#### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

#### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

#### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

#### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

#### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCFYE Excalibur Flo Yellow Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCFYE Excalibur Flo Yellow Pigment Conc.

Revision date: March 2023

Revision no: 3

### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	yellow
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Trade Name: PCFYE Excalibur Flo Yellow Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCFYE Excalibur Flo Yellow Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated





Trade Name: PCFYE Excalibur Flo Yellow Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCFYE Excalibur Flo Yellow Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCGBS Excalibur Green BS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCGBS Excalibur Green BS Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCGBS Excalibur Green BS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

Trade Name: PCGBS Excalibur Green BS Pigment Conc.

Revision date: March 2023

Revision no: 3

#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

#### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

#### **5.3 Advice for firefighters**

Fire-fighting personnel should be equipped with self-contained breathing apparatus

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

#### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

#### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

#### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCGBS Excalibur Green BS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCGBS Excalibur Green BS Pigment Conc.

Revision date: March 2023

Revision no: 3

### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	paste
<b>Colour</b>	Green
<b>Odour</b>	mild
<b>PH</b>	not determined
<b>Melting point</b>	not determined
<b>Boiling point</b>	not determined
<b>Auto ignition temperature</b>	not determined
<b>Decomposition temperature</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available
<b>Viscosity</b>	70,000 +/- 10,000 cps
<b>Flash point</b>	no data available
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Vapour pressure</b>	<0.001 @38°C
<b>Density</b>	1.2
<b>Water solubility</b>	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

Not established

Trade Name: PCGBS Excalibur Green BS Pigment Conc.

Revision date: March 2023

Revision no: 3

#### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

#### **10.5 Incompatible materials**

Oxidizing agents, acids

#### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

### **SECTION 11: Toxicological information**

#### **11.1 Information on toxicological effect**

No data available

#### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

#### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

### **SECTION 12: Ecological information**

#### **12.1 Toxicity**

There is no known published data for this product.



Trade Name: PCGBS Excalibur Green BS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCGBS Excalibur Green BS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCGBS Excalibur Green BS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCGYS Excalibur Green YS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCGYS Excalibur Green YS Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCGYS Excalibur Green YS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200

No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / treatment**

Treat symptomatically

Trade Name: PCGYS Excalibur Green YS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCGYS Excalibur Green YS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCGYS Excalibur Green YS Pigment Conc.

Revision date: March 2023

Revision no: 3

### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	Green
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).



Trade Name: PCGYS Excalibur Green YS Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCGYS Excalibur Green YS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCGYS Excalibur Green YS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCGYS Excalibur Green YS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCLRU Excalibur LitholRubine Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCLRU Excalibur LitholRubine Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCLRU Excalibur LitholRubine Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200

No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / treatment**

Treat symptomatically

Trade Name: PCLRU Excalibur LitholRubine Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCLRU Excalibur LitholRubine Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.



Trade Name: PCLRU Excalibur LitholRubine Pigment Conc.

Revision date: March 2023

Revision no: 3

### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	Red
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Trade Name: PCLRU Excalibur LitholRubine Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCLRU Excalibur LitholRubine Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated

Trade Name: PCLRU Excalibur LitholRubine Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCLRU Excalibur LitholRubine Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCMA Excalibur Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCMA Excalibur Magenta Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCMA Excalibur Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

Trade Name: PCMA Excalibur Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

#### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

#### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

### **SECTION 6: Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

#### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

#### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

#### **6.4 Reference to other sections**

Refer to section 8



Trade Name: PCMA Excalibur Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCMA Excalibur Magenta Pigment Conc.

Revision date: March 2023

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### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	red/rose
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Trade Name: PCMA Excalibur Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCMA Excalibur Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCMA Excalibur Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCMA Excalibur Magenta Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCOR Excalibur Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCOR Excalibur Orange Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCOR Excalibur Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / treatment**

Treat symptomatically



Trade Name: PCOR Excalibur Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCOR Excalibur Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCOR Excalibur Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	Orange
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Trade Name: PCOR Excalibur Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCOR Excalibur Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCOR Excalibur Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCOR Excalibur Orange Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCR254 Excalibur Red 254 Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCR254 Excalibur Red 254 Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases



Trade Name: PCR254 Excalibur Red 254 Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200

No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / treatment**

Treat symptomatically

Trade Name: PCR254 Excalibur Red 254 Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCR254 Excalibur Red 254 Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCR254 Excalibur Red 254 Pigment Conc.

Revision date: March 2023

Revision no: 3

### **Eye protection**

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### **Body protection**

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### **9.1 Information on basic physical and chemical properties**

<b>Form</b>	paste
<b>Colour</b>	Red
<b>Odour</b>	mild
<b>PH</b>	not determined
<b>Melting point</b>	not determined
<b>Boiling point</b>	not determined
<b>Auto ignition temperature</b>	not determined
<b>Decomposition temperature</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available
<b>Viscosity</b>	70,000 +/- 10,000 cps
<b>Flash point</b>	no data available
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Vapour pressure</b>	<0.001 @38°C
<b>Density</b>	1.2
<b>Water solubility</b>	Insoluble

### **9.2 Other information**

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No hazardous reactions when stored and handled according to prescribed instruction.

### **10.2 Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

### **10.3 Possibility of hazardous reactions**

Not established

Trade Name: PCR254 Excalibur Red 254 Pigment Conc.

Revision date: March 2023

Revision no: 3

#### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

#### **10.5 Incompatible materials**

Oxidizing agents, acids

#### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

### **SECTION 11: Toxicological information**

#### **11.1 Information on toxicological effect**

No data available

#### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

#### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

### **SECTION 12: Ecological information**

#### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCR254 Excalibur Red 254 Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCR254 Excalibur Red 254 Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCR254 Excalibur Red 254 Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.



Trade Name: PCR481 Excalibur Red 481 Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCR481 Excalibur Red 481 Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International  
311 Saulteaux Crescent  
Winnipeg, Manitoba  
Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45/EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCR481 Excalibur Red 481Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200

No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / treatment**

Treat symptomatically

Trade Name: PCR481 Excalibur Red 481 Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire-fighting personnel should be equipped with self-contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCR481 Excalibur Red 481 Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCR481 Excalibur Red 481 Pigment Conc.

Revision date: March 2023

Revision no: 3

### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	Red
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Trade Name: PCR481 Excalibur Red 481 Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCR481 Excalibur Red 481 Pigment Conc.  
Revision date: March 2023  
Revision no: 3

## **SECTION 13: Disposal considerations**

### **3.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCR481 Excalibur Red 481 Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B



Trade Name: PCR481 Excalibur Red 481Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCRBBC Excalibur Red BBC Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCRBBC Excalibur Red BBC Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International  
311 Saulteaux Crescent  
Winnipeg, Manitoba  
Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCRBBC Excalibur Red BBC Pigment Conc.

Revision date: March 2023

Revision no: 3

### **SECTION 3: Composition / Information on ingredients**

#### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200

No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

### **SECTION 4: First aid measures**

#### **4.1 Description of first aid measures**

##### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

##### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

##### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

##### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

##### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

#### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

#### **4.3 Indication of any immediate medical attention and special treatment needed**

##### **Hints for the physician / treatment**

Treat symptomatically

Trade Name: PCRBBC Excalibur Red BBC Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire-fighting personnel should be equipped with self-contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

## **SECTION 7: Handling and storage**

Trade Name: PCRBBC Excalibur Red BBC Pigment Conc.

Revision date: March 2023

Revision no: 3

## **7.1 Precautions for safe handling**

### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

## **7.2 Conditions for safe storage, including any incompatibilities**

### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

## **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

#### **Eye protection**

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

Trade Name: PCRBBC Excalibur Red BBC Pigment Conc.

Revision date: March 2023

Revision no: 3

## Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## SECTION 9: Physical and chemical properties:

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	Red
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

Not established

### 10.4 Conditions to avoid

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

Trade Name: PCRBBC Excalibur Red BBC Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

## **SECTION 13: Disposal considerations**

### **3.1 Waste treatment methods**

**Safety data sheet in accordance with regulation (EC) No 1907/2006**



Trade Name: PCRBBC Excalibur Red BBC Pigment Conc.

Revision date: March 2023

Revision no: 3

**Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

**Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

**SECTION 14: Transport information**

**Land transport ARD/RID**

Not classified as dangerous goods

**Marine transport IMDG/GGVSee**

Not classified as dangerous goods

**Air transport ICAO/IATA**

Not classified as dangerous goods

**Canadian TDG Shipping Description**

Not regulated

**US DOT Classification**

Not regulated

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**



**Safety data sheet in accordance with regulation (EC) No 1907/2006**



Trade Name: PCRBBC Excalibur Red BBC Pigment Conc.

Revision date: March 2023

Revision no: 3

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

**Other information**

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

**Hazardous Material Information System**

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

**SECTION 16: Other information**

**Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The

**Safety data sheet in accordance with regulation (EC) No 1907/2006**



Trade Name: PCRBBC Excalibur Red BBC Pigment Conc.

Revision date: March 2023

Revision no: 3

information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCRX Excalibur Red XPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCRX Excalibur Red X Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCRX Excalibur Red XPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200

No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / treatment**

Treat symptomatically

Trade Name: PCRX Excalibur Red XPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCRX Excalibur Red XPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCRX Excalibur Red XPigment Conc.

Revision date: March 2023

Revision no: 3

### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	Red
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @ 38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

Trade Name: PCRX Excalibur Red XPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No hazardous reactions when stored and handled according to prescribed instruction.

### **10.2 Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.



Trade Name: PCRX Excalibur Red XPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

### **Land transport ARD/RID**

Not classified as dangerous goods

### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

### **Air transport ICAO/IATA**

Not classified as dangerous goods

### **Canadian TDG Shipping Description**

Not regulated

### **US DOT Classification**

Not regulated



Trade Name: PCRX Excalibur Red XPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

T

he product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCRX Excalibur Red XPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCRY5 Excalibur RedYS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCRY5 Excalibur Red YS Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 2266-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCRY5 Excalibur RedYS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / treatment**

Treat symptomatically

Trade Name: PCRY5 Excalibur RedYS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCRY5 Excalibur RedYS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

#### **Eye protection**

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

Trade Name: PCRY5 Excalibur RedYS Pigment Conc.

Revision date: March 2023

Revision no: 3

## Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## SECTION 9: Physical and chemical properties:

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	Red
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

Not established



Trade Name: PCRY5 Excalibur RedYS Pigment Conc.

Revision date: March 2023

Revision no: 3

#### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

#### **10.5 Incompatible materials**

Oxidizing agents, acids

#### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

### **SECTION 11: Toxicological information**

#### **11.1 Information on toxicological effect**

No data available

#### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

#### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

### **SECTION 12: Ecological information**

#### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCRY5 Excalibur RedYS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCRY5 Excalibur RedYS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCRY5 Excalibur RedYS Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCUMB Excalibur Ultra Marine Blue Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCUMB Excalibur Ultra Marine Blue Pigment Conc

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCUMB Excalibur Ultra Marine Blue Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / treatment**

Treat symptomatically

Trade Name: PCUMB Excalibur Ultra Marine Blue Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCUMB Excalibur Ultra Marine Blue Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.



Trade Name: PCUMB Excalibur Ultra Marine Blue Pigment Conc.

Revision date: March 2023

Revision no: 3

### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	Blue
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Trade Name: PCUMB Excalibur Ultra Marine Blue Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCUMB Excalibur Ultra Marine Blue Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCUMB Excalibur Ultra Marine Blue Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCUMB Excalibur Ultra Marine Blue Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCVI Excalibur Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCVI Excalibur Violet Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCVI Excalibur Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / treatment**

Treat symptomatically

Trade Name: PCVI Excalibur Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire-fighting personnel should be equipped with self-contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8



Trade Name: PCVI Excalibur Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCVI Excalibur Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

Form	paste
Colour	Violet
Odour	mild
PH	not determined
Melting point	not determined
Boiling point	not determined
Auto ignition temperature	not determined
Decomposition temperature	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Viscosity	70,000 +/- 10,000 cps
Flash point	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	<0.001 @ 38°C
Density	1.2
Water solubility	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

Trade Name: PCVI Excalibur Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

Trade Name: PCVI Excalibur Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

#### **Land transport ARD/RID**

Not classified as dangerous goods

#### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

#### **Air transport ICAO/IATA**

Not classified as dangerous goods

#### **Canadian TDG Shipping Description**

Not regulated

#### **US DOT Classification**

Not regulated



Trade Name: PCVI Excalibur Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCVI Excalibur Violet Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

**Safety data sheet in accordance with regulation (EC) No 1907/2006**



Trade Name: PCWRS Excalibur White Regular Strength Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCWRS Excalibur White Regular Strength Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International  
311 Saulteaux Crescent  
Winnipeg, Manitoba  
Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCWRS Excalibur White Regular Strength Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / treatment**

Treat symptomatically



## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCWRS Excalibur White Regular Strength Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

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### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	paste
<b>Colour</b>	White
<b>Odour</b>	mild
<b>PH</b>	not determined
<b>Melting point</b>	not determined
<b>Boiling point</b>	not determined
<b>Auto ignition temperature</b>	not determined
<b>Decomposition temperature</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available
<b>Viscosity</b>	70,000 +/- 10,000 cps
<b>Flash point</b>	no data available
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Vapour pressure</b>	<0.001 @38°C
<b>Density</b>	1.2
<b>Water solubility</b>	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

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Revision date: March 2023

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## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No hazardous reactions when stored and handled according to prescribed instruction.

### **10.2 Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

**Safety data sheet in accordance with regulation (EC) No 1907/2006**

Trade Name: PCWRS Excalibur White Regular Strength Pigment Conc.

Revision date: March 2023

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## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

### **Land transport ARD/RID**

Not classified as dangerous goods

### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

### **Air transport ICAO/IATA**

Not classified as dangerous goods

### **Canadian TDG Shipping Description**

Not regulated

### **US DOT Classification**

Not regulated

**Safety data sheet in accordance with regulation (EC) No 1907/2006**



Trade Name: PCWRS Excalibur White Regular Strength Pigment Conc.

Revision date: March 2023

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**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

**Other information**

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

**Hazardous Material Information System**

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCWRS Excalibur White Regular Strength Pigment Conc.

Revision date: March 2023

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## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCWSS Excalibur White Super Strength Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCWSS Excalibur White Super Strength Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases



Trade Name: PCWSS Excalibur White Super Strength Pigment Conc.

Revision date: March 2023

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## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / treatment**

Treat symptomatically

Trade Name: PCWSS Excalibur White Super Strength Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCWSS Excalibur White Super Strength Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

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Revision date: March 2023

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### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	paste
<b>Colour</b>	White
<b>Odour</b>	mild
<b>PH</b>	not determined
<b>Melting point</b>	not determined
<b>Boiling point</b>	not determined
<b>Auto ignition temperature</b>	not determined
<b>Decomposition temperature</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available
<b>Viscosity</b>	70,000 +/- 10,000 cps
<b>Flash point</b>	no data available
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Vapour pressure</b>	<0.001 @38°C
<b>Density</b>	1.2
<b>Water solubility</b>	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

Trade Name: PCWSS Excalibur White Super Strength Pigment Conc.

Revision date: March 2023

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## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No hazardous reactions when stored and handled according to prescribed instruction.

### **10.2 Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

Trade Name: PCWSS Excalibur White Super Strength Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

### **Land transport ARD/RID**

Not classified as dangerous goods

### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

### **Air transport ICAO/IATA**

Not classified as dangerous goods

### **Canadian TDG Shipping Description**

Not regulated

### **US DOT Classification**

Not regulated

Trade Name: PCWSS Excalibur White Super Strength Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCWSS Excalibur White Super Strength Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.



Trade Name: PCYRH Excalibur Yellow HR Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCYRH Excalibur Yellow HR Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCYRH Excalibur Yellow HRPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

Trade Name: PCYRH Excalibur Yellow HRPigment Conc.

Revision date: March 2023

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## Hints for the physician / treatment

Treat symptomatically

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire-fighting personnel should be equipped with self-contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

Trade Name: PCYRH Excalibur Yellow HRPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

Trade Name: PCYRH Excalibur Yellow HRPigment Conc.

Revision date: March 2023

Revision no: 3

### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	paste
<b>Colour</b>	yellow
<b>Odour</b>	mild
<b>PH</b>	not determined
<b>Melting point</b>	not determined
<b>Boiling point</b>	not determined
<b>Auto ignition temperature</b>	not determined
<b>Decomposition temperature</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available
<b>Viscosity</b>	130,000 +/- 10,000 cps
<b>Flash point</b>	no data available
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Vapour pressure</b>	<0.001 @38°C
<b>Density</b>	1.2
<b>Water solubility</b>	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

Trade Name: PCYRH Excalibur Yellow HRPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

No hazardous reactions when stored and handled according to prescribed instruction.

### **10.2 Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

### **10.3 Possibility of hazardous reactions**

Not established

### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

### **10.5 Incompatible materials**

Oxidizing agents, acids

### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effect**

No data available

### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

### **Other information**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. There are no data on the mixture itself.

Trade Name: PCYRH Excalibur Yellow HRPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

There is no known published data for this product.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

Wastes and emptied containers should be classified in accordance with relevant national regulation. Waste category based on European Council Directive on Waste: 080313 (Appendix A – Consolidated European Waste catalogue) Classified as Non-Hazardous.

For further information contact your local waste authority. Dispose of in accordance with appropriate U.S. Federal State and local regulations of Canada and regulations of EU member countries.

#### **Disposal recommendations for packaging**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned.

## **SECTION 14: Transport information**

### **Land transport ARD/RID**

Not classified as dangerous goods

### **Marine transport IMDG/GGVSee**

Not classified as dangerous goods

### **Air transport ICAO/IATA**

Not classified as dangerous goods

### **Canadian TDG Shipping Description**

Not regulated

### **US DOT Classification**

Not regulated



Trade Name: PCYRH Excalibur Yellow HRPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 15: Regulatory information**

### **15.1 Safety, health and environmental regulations/ legislation specific for substance or mixture**

The product is not on the list of controlled substances of the following:

Regulation (EC) No. 2037/2000

Regulation (EC) No. 850/2004

Regulation (EC) No. 1999/13

#### Other information

All components are contained in the TSCA inventory or exempted.

All components are contained in the AICS inventory.

All components are contained in the PICCS inventory.

All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

California Proposition 65: Not applicable

SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B



Trade Name: PCYRH Excalibur Yellow HRPigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship. The information on this Safety Data Sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

The product should not be used for purposes other than shown in Section 1 without first referring to the supplier and obtaining written handling instructions.

As specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.

Therefore the user must assume all risks.

Trade Name: PCYPY Excalibur Yellow PY Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 1: Identification of the substance/mixture and of the company / undertaking**

### **1.1 Product identifier**

PCYPY Excalibur Yellow PY Pigment Conc.

**1.2 Uses/Application:** Screen printing ink pigment concentrate

### **1.3 Details of the supplier of the safety data sheet**

#### **Address**

Lancer Group International

311 Saulteaux Crescent

Winnipeg, Manitoba

Canada R3J 3C7

Telephone no: +1 (204) 889-7422

Fax no: +1 (204) 8310426

Information provided by: Product Safety Department

Email address of the person responsible for this SDS: [cecilia@lancergroup.com](mailto:cecilia@lancergroup.com)

**1.4 24 Hour Emergency Number:** +1 (888) 226-8832 CANUTEC

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture**

2.1.1 Classification according to Regulation (EU) 1272/2008: Not classified

Not a hazardous substance or mixture according to regulation (EC) 1272/2008

2.1.2 Classification according to EU Directives 67/548/EC or 1999/45EC: not classified

This product is not classified as dangerous according to directive 67/548/EEC

2.1.3 WHMIS Classification: Not WHMIS controlled

2.1.4 GHS Classification: Not a dangerous substance or mixture

### **2.2 Label Elements**

2.2.1 Labelling according to Regulation (EU) 1272/2008: Not applicable

2.2.2 Labelling according to Directives (67/548; 1999/45): Not relevant

### **2.3 Other Hazards**

Effects of over exposure: Fumes emitted during fusion may irritate the eyes, skin or respiratory tract

Chronic Effects: Skin sensitization may occur in some cases

Trade Name: PCYPY Excalibur Yellow PY Pigment Conc.

Revision date: March 2023

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## **SECTION 3: Composition / Information on ingredients**

### **3.1 Substances**

There are no hazardous ingredients as defined under OSHA Regulations 29 CFR 1910.1200  
No substances fulfill the criteria set forth in Annex II section A of REACH regulation 1907/2006

**Composition comments:** This product does not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

#### **After inhalation**

Remove to fresh air. Keep the patient warm and at rest. If the person is unconscious, place in recovery position. Notify a doctor in all events to ascertain whether observation and supportive hospital care is necessary.

#### **After skin contact**

Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention.

#### **After eye contact**

Immediately flush eyes with water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### **After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of any immediate medical attention and special treatment needed**

#### **Hints for the physician / treatment**

Treat symptomatically

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Revision date: March 2023

Revision no: 3

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

In the event of fire use carbon dioxide, dry chemical agents, foam.

### **5.2 Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition product may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed.

### **5.3 Advice for firefighters**

Fire- fighting personnel should be equipped with self- contained breathing apparatus

## **SECTION 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid inhaling vapors. Avoid any contact with skin or eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus. Only qualified personnel with suitable protective equipment may intervene.

### **6.2 Environmental precautions**

Do not allow to enter drains or waterways. If the product contaminates lakes, rivers, sewage, inform appropriate authorities in accordance with local regulations.

### **6.3 Methods and material for containment and cleaning up**

Scoop material into a clean, properly labelled container for disposal. Absorb remainder with inert material.

### **6.4 Reference to other sections**

Refer to section 8

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## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling**

Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use. Handle in well ventilated areas. Prevent access by unauthorized personnel. Handle in accordance with good industrial hygiene and safety practice. Wash hands before taking meal breaks and immediately after handling product. Do not eat, drink or smoke when using the product. Remove and wash contaminated clothing before re-use.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Storage condition**

Store in moderate cool, dry well ventilated area away from direct source of heat. Avoid freezing. Empty containers may contain product residues and should be handled accordingly. Position the container so that any labelling information is visible. Keep containers closed.

### **7.3 Specific end use(s)**

Screen printing ink

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

**Exposure limits:** Not applicable

### **8.2 Exposure controls**

#### **Exposure controls**

Local exhaust ventilation may be needed to control air contaminants to their exposure limit. Provide mechanical ventilation for confined spaces.

#### **Respiratory protection**

Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Wear proper gloves when handling the product. Always ensure that gloves are free of defects and that they are stored and used correctly. The performance and effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Always wash hands before eating.

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### Eye protection

Wear safety goggles and face shield. Have an eye-wash station available in the work area.

### Body protection

Cotton or cotton/synthetic overalls are usually suitable.

## **SECTION 9: Physical and chemical properties:**

### 9.1 Information on basic physical and chemical properties

<b>Form</b>	paste
<b>Colour</b>	yellow
<b>Odour</b>	mild
<b>PH</b>	not determined
<b>Melting point</b>	not determined
<b>Boiling point</b>	not determined
<b>Auto ignition temperature</b>	not determined
<b>Decomposition temperature</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidizing properties</b>	no data available
<b>Viscosity</b>	130,000 +/- 10,000 cps
<b>Flash point</b>	no data available
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Vapour pressure</b>	<0.001 @38°C
<b>Density</b>	1.2
<b>Water solubility</b>	Insoluble

### 9.2 Other information

The physical specifications are approximate values and refer to the used safety relevant component(s).

## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No hazardous reactions when stored and handled according to prescribed instruction.

### 10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

Not established

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#### **10.4 Conditions to avoid**

Take precautions to avoid contact with atmospheric moisture and incompatibilities.

#### **10.5 Incompatible materials**

Oxidizing agents, acids

#### **10.6 Hazardous Decomposition Products**

See chapter 5.2 (Firefighting measures – Special hazards arising from the substance or mixture).

### **SECTION 11: Toxicological information**

#### **11.1 Information on toxicological effect**

No data available

#### **Experience in practice**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA. May be harmful if inhaled and may cause respiratory tract irritation. It can cause a slight eye irritation. May be harmful if absorbed through skin and may cause a slight skin irritation. Harmful if swallowed.

#### **Other information**

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### **SECTION 12: Ecological information**

#### **12.1 Toxicity**

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Trade Name: PCYPY Excalibur Yellow PY Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Disposal recommendation for this product**

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## **SECTION 14: Transport information**

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#### **Canadian TDG Shipping Description**

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Trade Name: PCYPY Excalibur Yellow PY Pigment Conc.

Revision date: March 2023

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## **SECTION 15: Regulatory information**

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All components are contained in the DSL inventory.

All components are contained in the ENCS inventory

All components are contained in the ECL inventory.

US EPA CERCLA hazardous Substances (40CFR 302): Not applicable

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SARA Title III 302 Extremely Hazardous Substances: Not applicable

SARA Title III 313 Toxic Chemicals: Not applicable

National Pollutant Release Inventory (NPRI): Not applicable

#### Hazardous Material Information System

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

Trade Name: PCYPY Excalibur Yellow PY Pigment Conc.

Revision date: March 2023

Revision no: 3

## **SECTION 16: Other information**

### **Supplemental information**

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