



MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name: Lancer Group International
311 Saulteaux Crescent
Winnipeg, Manitoba,
Canada R3J 3C7

Emergency Telephone Number: (204) 889-7422

Trade Name: Excalibur Direct Print Phthalate-Free Plastisol Inks

Codes: 100 Horizon PF Series, 400 PF Color Series, 400 PF FF Series, 451 PF Series, 451 PF FF Series, 504 PF Base, 500 PF Color Series, 505 PF Process Base, 533 Series, 5050 Plus PF White, 550 PF Base, 550 PF Color Series, 551 PF Series, 525 Competition White PF, 527 Keystone White PF, 565 PF White, 567 PF FF High Opacity White, 579 PF White, 581 PF White, 585 PF White, 595 PF White, 596 Miracle White, 596 Miracle Gold, 600 PF Process Colors, 600 PF Super Series Process Colors, 700 Series PF, 750 PF Stone Print Series, 825 PF Foam Grip, 833 PF Super Clear High Density Ink, 834 PF High Density Base, 835 PF Base, 835 High Density Color Series, 837 PF Coning Base, 838 PF Super Clear High Density Base, 1533 Series, 1550 PF SportPro Athletic Series, 1551 PF ColorPro Athletic Series, 1596 Sport Pro Defender, 1800 PF Spot Process Color Series, Jelly Print PF Series, Knife Coat PF Series, Spray Plas PF Base, Retroflec PF, Quicksilver PF, Stone Age PF Series and High Density PF, and Sponge Base PF Inks, 801 Excalibur Foil Proof Ink, Suede Ink

Chemical Family: Plastisol

Product Use: Screen printing ink

WHMIS Classification: Not controlled

24 Hour Emergency Number: (613) 996-6666 CANUTEC
(Use in case of a dangerous goods emergency.)

SECTION 2. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	Percentage	TLV (ppm)	CAS#
Plasticizer Phthalate Free	30-40%		166412-78-8
Calcium carbonate	15-25%		7789-78-8
Fume silica	1-5%		112945-52-5
PVC resin	30-40%		9002-86-2
Titanium Dioxide	5-40%		13463-67-7
Organic pigment	10-20%		Mixture

Composition comments: These products do not contain any known currently listed hazardous materials nor do they contain any carcinogenic or suspected carcinogenic agents.

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

SECTION 3. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Potential routes of overexposure to these products are skin contact and inhalation of fumes during heat processing.

Effects of Overexposure: Fumes emitted during fusion may irritate eyes, skin or respiratory tract.

Chronic Effects: Skin sensitization and allergenic reactions may occur in certain individuals in slight cases.

Synergistic Products: None known

SECTION 4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for 15 minutes.

Skin Contact: Remove excess material from skin and wash with soap and water.

Inhalation: Remove to fresh air immediately.

Ingestion: Get immediate medical attention and advice.

SECTION 5. FIRE FIGHTING MEASURES

Flammability Properties

Flash Point (Closed Cup), °C: N/A

Hazardous Combustion Products: Oxide of Carbon, Hydrochloric Acid

Explosion Limits: Not applicable

Explosion Data: Not applicable

Extinguishing Media: CO₂, Dry Chemical, Foam

Special Fire Fighting Procedures: Avoid breathing combustion product or use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Container may explode when subjected to extreme conditions and temperatures.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Procedure if Material is Spilled or Released: Scoop material into a clean, properly labeled container for disposal and absorb remainder with inert material.

SECTION 7. HANDLING AND STORAGE

Handling: Handle and open containers with care. Avoid eye contact. Avoid excessive or repeated skin contact. Keep the containers closed when not in use.

Storage: Keep the container tightly closed in a cool, dry, well-ventilated area, away from oxidizing and combustible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiration Protection: Not required with normal adequate ventilation

Ventilation: Exhaust system sufficient to remove vapours released during fusion process

Engineering Controls: Not necessary

Personal Protective Equipment (PPE)

Skin Protection: Nitrile gloves if continual contact is likely

Footwear: Sneakers

Clothing: Nitrile smock if available

Respiratory Protection: Not required with normal adequate ventilation

Personal Hygiene: Avoid breathing fumes during fusion process. Wash hands before eating. Wash contaminated clothing before reuse. Normal washing will be sufficient.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Paste with slight odour

Boiling Range, °C: N/A

Vapor Pressure (mm Hg @ 20°C): < 0.001@ 38 °C

Vapor Density (Air = 1): Heavier than air

Specific Gravity (Water = 1): 1 – 1.5

Solubility in water: Insoluble

Percent Volatile by volume: Not applicable; Does not contain any volatile organic compounds

Hazardous Air pollutant: Does not contain any HAP's in accordance with US Environmental requirement list

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Incompatibility (materials to avoid): Oxidizing material can cause reaction

Conditions of Reactivity: Prolonged exposure to temperatures @ 300° C, Product stable at ambient temperature

Hazardous Decomposition: Not established

SECTION 11. TOXICOLOGICAL INFORMATION

There is no known published data available for this product.

SECTION 12. ECOLOGICAL INFORMATION

There is no known published data available for this product..

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with all Local, Provincial and Federal Regulations.

SECTION 14. TRANSPORT INFORMATION

Canadian TDG Shipping Description: Not regulated

US DOT Classification: Not regulated

IATA: Not classified as dangerous goods

SECTION 15. REGULATORY INFORMATION

U.S. TSCA Inventory Status: All components of these products are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

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

California Proposition 65: Not applicable

SARA Title III Section 302 Extremely Hazardous Substances: Not applicable

SARA Title III Section 313 Toxic Chemicals: Not applicable

Canadian DSL Inventory Status: All components of these products are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

National Pollutant Release Inventory (NPRI): Not applicable

DSL: All components of this product are on the Canadian Substance List

Note: Not available

HAZARDOUS MATERIAL INFORMATION SYSTEM:

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

SECTION 16. OTHER INFORMATION

DISCLAIMER: All information presented herein is given in good faith and is based on sources and tests are considered to be reliable but cannot be guaranteed. It is the user's full responsibility to accept risk for the safety, toxicity, handling, storage, and use of the product as well as to determine the suitability of this product for a specific purpose. We can make no warranty as to the results to be obtained in using the product. Therefore the user must assume all risk.

MSDS Prepared by: Discovery/Lancer Group

Phone Number: (204) 885-7792

Issue Date: June 13, 2013

Revision: 10