



## 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 Plastisol Inks

**Codes:** 100 Horizon Series, 400 Color Series, 400 FF Series, 400 LB White, 504 Base, 500 Color Series, 505 Process Base, 5050 White, 525 Competition White, 550 Base, 550 Color Series, 551 Series, 565 White, 567 FF High Opacity White, 579 White, 581 White, 585 White, 595 White, 600 Process Colors, 600 Super Strength Series Process Colors, 700 Series, 750 Stone Print Series, 825 Foam Grip, 834 High Density Base, 835 Super Clear, 837 Coning Base, 1550 SportPro Athletic Series, 1551 ColorPro Athletic Series, 1800 Spot Process Color Series, Jelly Print Series, Knife Coat Series, Spray Plas Base, Retroflec, Quicksilver, Stone Age Series and High Density, and Sponge Base Inks

**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#

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

### 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:** 227

**Hazardous Combustion Products:** Oxide of Carbon, Hydrochloric Acid

**Explosion Limits:** Not applicable

**Explosion Data:** Not applicable

**Extinguishing Media:** CO<sub>2</sub>, 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:** Cream paste with slight odour

**Boiling Range, °C:** 260

**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

**pH:** 7

## 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

## 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.

**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.

**Note:** Not available

## 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

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