



## 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 Low Cure Plastisol Inks

**Codes:** 565 White, 835 HighDensity, Low Cure Additive

**Chemical Family:** Plastisol

**Product Use:** Screen printing ink/additive

**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#
Butyl benzyl phthalate	5 - 20	Not listed	85-68-7

### SECTION 3. HAZARDS IDENTIFICATION

**Effects of overexposure:** Fumes emitted during fusion may irritate eyes, skin or respiratory tract 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

**Evaporation Rate (BA=1):** Slower than Butyl acetate

**Specific Gravity (Water = 1):** 1.0  
**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:** Burning may produce oxides of nitrogen, Carbon dioxide/monoxide

## SECTION 11. TOXICOLOGICAL INFORMATION

**Butyl Benzyl Phthalate:** LD50 (Oral, Rat) = 20,400 mg/kg (3)  
LD50 (Dermal, Rabbit) = 10,000 mg/kg (3)

## 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

**Phone Number:** (204) 885-7792

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