



Safety Data Sheet (SDS)

Trade Name: : Excalibur Plastisol Ink Reducer

Revision Date: August 13, 2014

SECTION 1

Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier

Product Name: Excalibur Plastisol Ink Reducer
Product Codes: 501/1501

1.2 Uses/Application

Screen printing ink reducer

1.3 Company (Name, address and phone numbers)

Lancer Group International
311 Saulteaux Crescent
Winnipeg, Manitoba,
Canada R3J 3C7
+1 (204) 889-7422

1.4 24 Hour Emergency Number: +1(613) 996-6666 CANUTEC

SECTION 2

Hazards 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 substance 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 Labeling according to Regulation (EU) 1272/2008 : Not applicable

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

2.3 Other hazards

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

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

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 fulfil the criteria set forth in Annex II section A of the REACH regulation 1907/2006

3.2 Mixtures



Safety Data Sheet (SDS)

Trade Name: : Excalibur Plastisol Ink Reducer

Revision Date: August 13, 2014

Composition

| Ingredients | Percentage | CAS# | Classification according to directive 76/548/EEC | Classification according to directive 1272/2008 |
|----------------------------|------------|-------------|--|---|
| Plasticizer phthalate Free | 30 – 50% | 166412-78-8 | Not classified | Not classified |
| Additives | 5 – 10% | Mixture | Not classified | Not classified |
| PVC Resin | 40-65% | 9003-22-9 | Not classified | Not classified |

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

SECTION 4

First Aid Measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing in an unconscious person.

4.1 Description of First Aid Measures

4.1.1 Treatment for 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.

4.1.2 Treatment for Skin Contact: Remove contaminated clothing and wash the skin thoroughly with soap and water. In the event of allergic reaction, seek medical attention

4.1.3 Treatment for Inhalation: In the event of massive inhalation, remove the person exposed to fresh air. Keep 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 will be necessary.

4.1.4 Treatment for Ingestion: Do not give the patient anything orally. In the event of swallowing, if quantity is small, rinse the mouth with water and consult a doctor. 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: No data available

SECTION 5

Fire-fighting Measures



Safety Data Sheet (SDS)

Trade Name: : Excalibur Plastisol Ink Reducer

Revision Date: August 13, 2014

5.1 Extinguishing Media

Suitable extinguishing media: In the event of fire use carbon dioxide, dry chemical agents, foam. Water can be used to cool fire exposed containers, structures and to protect personnel.

Unsuitable extinguishing media: In the event of fire do not use water jet.

5.2 Special hazards arising from the substance or mixture: A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe smoke. In the event of fire, carbon monoxide (CO) and carbon dioxide (CO₂) may be formed.

5.3 Advice for firefighters: Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6

Accidental Release Measures

6.1 Personal Precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel: Avoid inhaling vapors. Avoid any contact with skin and eyes. If large quantity has been spilled, evacuate all personnel and allow intervention by trained operators with safety apparatus

6.1.2 For emergency responders: Only qualified personnel equipped with suitable protective equipment may intervene.

6.2 Environmental Precautions: Contain and control the leaks or spills with non-combustible absorbent material such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal. Material should not be drained into the sewers.

6.3 Methods and material for containment and cleaning-up:

Scoop material into a clean, properly labeled container for disposal and absorb remainder with inert material.

6.4 Reference to other section: Refer to section 8

SECTION 7

Handling and Storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

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

Fire prevention: Handle in well-ventilated areas. Prevent access by unauthorized personnel

7.1.2 Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before taking meal breaks and immediately after handling the 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 :Keep the container tightly closed in a cool, dry, well-ventilated area, away from oxidizing and combustible materials.



Safety Data Sheet (SDS)

Trade Name: : Excalibur Plastisol Ink Reducer

Revision Date: August 13, 2014

Packaging material: Store in original container

7.3 Specific end use(s):refer to section 1.2

SECTION 8 Exposure Controls/Personal Protection

8.1 Control parameters:

Exposure limits: Contains no substances with occupational exposure limit values

8.2 Exposure controls:

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

8.2.2 Personal protective equipment:

Skin Protection: Wear gloves resistant to conditions of use. Additional protection may be necessary to prevent skin contact including the use of apron, face shield, boots or full body protection.

Personal Hygiene: Avoid breathing fumes during fusion process. Wash hands before eating.

Wash contaminated clothing before reuse. Normal washing will be sufficient.

Respiratory Protection. Not required with adequate normal ventilation

Eye protection: Wear chemical safety goggles and face shield. Have an eye-wash stations available in the work area.

8.2.3 Environmental Exposure Controls: Do not drain into sanitary sewer system. Comply with applicable community Environmental protection laws.

SECTION 9 Physical and Chemical Properties

9.1 General information on basic physical and chemical properties:

| | |
|--|---------------------------------|
| Appearance and Odor | : Cream paste with slight odour |
| Boiling Range, °C | : 260 |
| Flash Point | : 227 °C |
| Melting/Freezing Point, °C | : < -40°C |
| Vapor Pressure (mm Hg @ 20°C) | : < 0.001 @ 38°C |
| Vapor Density (Air = 1) | : Heavier than air |
| Specific Gravity (Water = 1) | : 1.0-1.15 |
| Solubility in water | : Insoluble |
| pH | : 7 |
| Molecular Formula | : Mixture |
| Flammability | : Not Available |
| Upper/lower flammability | : Not Available |
| Relative density | : Not Available |
| Partition coefficient: n-octanol/water | : Not Available |
| Auto-ignition temperature | : Not Available |
| Decomposition Temperature | : Not Available |



Safety Data Sheet (SDS)

Trade Name: : Excalibur Plastisol Ink Reducer

Revision Date: August 13, 2014

Viscosity : Not Available
Melting point/freezing point : Not Available
Evaporation Rate (BA=1) : Not Available

9.2 Other information:

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

- 10.1 Reactivity: Product stable at ambient temperature
- 10.2 Chemical Stability: Under storage at normal ambient temperatures
- 10.3 Possibility of hazardous reactions: Not established
- 10.4 Conditions to avoid: Prolonged exposure to temperatures @ 300° C
- 10.5 Incompatible material: Oxidizing agents
- 10.6 Hazardous Decomposition Products: : Carbon monoxide(CO), carbon dioxide (CO₂)

SECTION 11 Toxicological Information

- 11.1 Information on toxicological effects
There is no known published data available for this product.

SECTION 12 Ecological Information

- 12.1 Toxicity
There is no known published data available for this product.

SECTION 13 Disposal Considerations

- 13.1 Waste Treatment Methods
 - 13.1.1 Product/ Packaging disposal

Waste Category based on European Council directive on Waste :
080313 (Appendix A –Consolidated European Waste Catalogue)
Classification: Non-hazardous
 - 13.1.2 Waste Disposal Method: Dispose of in accordance with appropriate U.S. Federal, State and local regulations, regulations of Canada and regulations of EU member states.



Safety Data Sheet (SDS)

Trade Name: : Excalibur Plastisol Ink Reducer

Revision Date: August 13, 2014

SECTION 14

Transport Information

Transportation by road/Railway(ADR/RID) : Not classified as dangerous goods
Transportation by air(ICAO/IATA) : Not classified as dangerous goods
Transportation by sea(IMDG) : 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 the substance or mixture

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

EU Regulations

Regulation(EC) No.2037/2000

Regulation(EC) No. 850/2004

Regulation(EC) No. 1999/13

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

| | |
|---------|---|
| Health: | 1 |
|---------|---|



Safety Data Sheet (SDS)

Trade Name: : Excalibur Plastisol Ink Reducer

Revision Date: August 13, 2014

HAZARDOUS MATERIAL INFORMATION SYSTEM:

| | |
|----------------------|---|
| 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: August 13, 2014

Revision:05