Safety Data Sheet (SDS)

Trade Name: Excalibur Direct Print Phthalate-Free Plastisol Inks

Prepared Date: 01 January 2021

SECTION 1
Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier
Product Name: Plastisol Chemical mixture

1.2 Uses/Application
Plastisol Screen printing ink

1.3 Company (Name, address and phone numbers
Lancer Group International
311 Saulteaux Crescent
Winnipeg, Manitoba,
Canada R3J 3C7
+1 (204) 889-7422

Emergency: New Zealand: 0800 POISON (0800 764 766)
Supplier Details
Hitec-Ink
Unit 4 / 231 Annex Road
Middleton 8025
Ph 03 6660100

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

Composition

Ingredients	Percentage	CAS#	Classification according to directive 76/548/EEC	Classification according to directive 1272/2008
Plasticizer Phthalate Free	30-40%	166412-78-8	Not classified	Not classified
Calcium carbonate	15-25%	7789-78-8	Not classified	Not classified
Fume silica	1-5%	112945-52-5	Not classified	Not Classified
PVC resin	30-40%	9002-86-2	Not classified	Not classified
Titanium Dioxide	5-40%	13463-67-7	Not classified	Not classified
Organic pigment	10-20%	Mixture	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

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SECTION 5
Fire-fighting Measures

5.1 Extinguishing Media
Suitable extinguishing media: In the event of fire use carbon dioxide, dry chemical agents, foam.
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 (CO_2) 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 self-contained breathing apparatus(SCBA).

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 sections: refer to section 8 section 13

SECTION 7
Handling and Storage

7.1 Precautions for safe handling:

7.1.1 Handling:

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

7.1.2 Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before taking meal brakes and immediately after handling the product.

Do not eat, drink or smoke while 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.

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: Not applicable

8.2 Exposure controls:

8.2.1 Engineering Controls: Not necessary

8.2.2 Personal protective equipment:

Skin Protection**:** Nitrile gloves if continual contact is likely

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

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

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

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	:Turbid liquid
Odor	: slight odour
pH	: Not available
Melting point/freezing point	: Not determined
Evaporation rate	: Not Available
Flammability	: Not Available
Explosive limits	: Not Available
Relative density	: Not Available
Partition coefficient: n-octanol/water	; Not Available
Auto ignition temperature	: Not Available
Decomposition temperature	: Not Available

Explosive properties	: Not Available
Oxidizing properties	: Not Available
Viscosity	:30000 – 300000 cps
Boiling Range, ºC	: Not available
Flash Point (Closed Cup), °C	: Not available
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

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

Conditions of Reactivity**:** Prolonged exposure to temperatures @ 300° C

10.2 Stability

Chemical Stability**:** Under storage at normal ambient temperatures(-40 ^{0}C to +40 ^{0}C, the product is stable

10.3 Possibility of hazardous reactions: Not established

10.4 Conditions to avoid: Heat

10.5 Incompatible material: Oxidizing agents

10.6 Hazardous Decomposition Products: : Carbon monoxide(CO), carbon dioxide (CO_2)

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.

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:
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

Canadian Classification HMIS Classification: Not Classified

Hazardous Material Identification 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.

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Phone Number: (204) 885-7792
Issue Date: 01 January 2021