

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

PRODUCT IDENTIFIER

Product Code **GLE-1800**
 Product Name **THINNER**
 Product Category **GLOSS ENAMEL INK REDUCER (GLE)**

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Recommended Use **PRINTING OPERATION**

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Inktech International Corporation
 160 Fenmar Drive,
 Toronto, Ontario M9L 1M6
 Tel: 1-416-743-4111
 Fax: 1-416-743-1511

EMERGENCY TELEPHONE NUMBER

Chemtrec 1-613-996-6666

SECTION 2. HAZARDS IDENTIFICATION

CLASSIFICATION

| | |
|---------------------|-------------------|
| Aspiration Toxicity | Category 1 (H304) |
| Flammable Liquid | Category 4 (H227) |

LABEL ELEMENTS



SIGNAL WORD: DANGER

HAZARD STATEMENTS

H304 May be fatal if swallowed and enters airways
 H227 Combustible Liquid.

PRECAUTIONARY STATEMENTS

P210 – Keep away from heat, hot surface, sparks, open flames and other ignition sources No smoking
 P280 – Wear protective gloves/protective clothing/eye protection/face protection.
 P331 -- DO NOT induce vomiting.
 P405 – Store lock up.
 P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER/doctor/ ...if you feel unwell.
 P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P370+P378 – IF INHALED: Remove person to fresh air and keep comfortable clothing.
 P403+P235 – Store in a well-ventilated place.
 P501– Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)

May be harmful in contact with skin.
 Ingestion may cause irritation of mouth, throat and stomach. May cause respiratory irritation. Contact with eyes may cause irritation.

SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

Mixture:

| COMPONENTS | WEIGHT % | CAS NO | NOTE |
|-------------------------------|----------|------------|------|
| HYDROTREATED LIGHT DISTILLATE | 60-100 | 64742-47-8 | |

SECTION 4. FIRST AID MEASURES**DESCRIPTION OF FIRST AID MEASURES****General Advice**

Show this safety data sheet to the doctor in attendance.

Eye Contact

Immediately flush with plenty of water. After flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

Skin Contact

Wash immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation such as redness, rash, blistering develops, get medical attention.

Inhalation

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

Ingestion

Do Not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Aspiration Hazard – Material may cause lung inflammation or damage if it enters lungs through vomiting or swallowing. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Inhalation of high concentrations may cause dizziness, disorientation, incoordination, narcosis, nausea or narcotic effects. Direct eye contact may cause temporary redness, ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May have laxative effects.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT

Notes to Physician: Treat symptomatically. Aspiration hazard.

SECTION 5. FIRE FIGHTING PROCEDURE**SUITABLE EXTINGUISHING MEDIA**

Foam, Carbon Dioxide (CO₂), Dry chemical, and Water Spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

UNSUITABLE EXTINGUISHING MEDIA:

Do not use a solid water stream as it may scatter and spread fire.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

As in any fire, wear self contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers/ tanks with water spray. Sealed containers may rupture when heated.

SECTION 6. ACCIDENTAL RELEASE MEASURE**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES****Personal Precautions**

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin, and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from upwind of spill/leak.

Environmental Precautions

Prevent products from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches. Local authorities should be notified if significant spillages cannot be contained.

Methods and Material for Containment and Cleanup

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/ national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

SECTION 7. HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING****Handling**

Use personal protective equipment as required. Do not eat, drink, or smoke when using this product. Ensure adequate ventilation.

CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use. Keep out of reach of children.

Incompatible Products

Strong acids, strong bases, strong oxidizing and reducing agents.

SECTION 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

CONTROL PARAMETERS

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

APPROPRIATE ENGINEERING CONTROLS

Engineering Measures

Provide a good standard of general ventilation. Natural ventilation is from doors, windows, etc. Controlled ventilation means air is supplied or removed by powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.

INDIVIDUAL PROTECTION MEASURES SUCH AS PERSONAL PROTECTIVE EQUIPMENT

Eye /Face Protection:

Wear safety glasses with side shields (or goggle). If splashes are likely to occur, wear suitable face shield. Ensure the eye wash stations and safety showers are close to the workstation location.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent contact.

Respiratory Protection:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area and clothing is recommended.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | | | |
|---|----------------------|-------------------------------|--------------------------|
| Physical State | Liquid | Appearance | Clear Liquid |
| Odor | Mild Petroleum Odor | Odor Threshold | No information Available |
| <u>Property</u> | <u>Values</u> | <u>Remarks/ Method</u> | |
| PH | | No Data Available | |
| Melting Point/ Freezing Point | -54°C | | |
| Boiling Point/ Boiling Range | 188-200 °C | | |
| Flash Point | 63 °C/ 145°F | | |
| Evaporation Rate | | No Data Available | |
| Flammability Limit in Air | | | |
| Upper Flammability Limit (% vol) | 10.5 % | | |
| Lower Flammability Limit (% vol) | 1.5 % | | |
| Vapor Pressure | 17 mm/Hg | | |
| Vapor Density | 4.5 (Air=1) | | |
| Specific Gravity | 0.80 | | |
| Water Solubility | | Insoluble | |
| Solubility in Other Solvents | | No Data Available | |
| Partition Coefficient: N-Octanol/ Water | 0.20 | | |
| Auto Ignition Temperature | 227°C | | |
| Decomposition Temperature | | No Data Available | |
| Kinetic Viscosity | | No Data Available | |
| Dynamic Viscosity | | No Data Available | |
| Explosive Property | | No Data Available | |
| Oxidizing Property | | No Data Available | |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not normally reactive

Possibility of Hazardous Reactions

None under normal processing

Incompatible Materials

Strong acids, strong bases, reducing agent.

Chemical Stability

Stable under normal condition

Conditions to Avoid

Keep away from open flames, hot surfaces and sources of ignition

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors, Carbon Dioxide (CO₂), Carbon Monoxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

| | |
|--------------|--|
| Inhalation | Specific data test for the substance is not available. |
| Eye Contact | Specific data test for the substance is not available. |
| Skin Contact | Specific data test for the substance is not available. |
| Ingestion | Specific data test for the substance is not available. |

| Component | CAS No. | Oral LD50 | LD50 Dermal | Inhalation LC50 |
|--------------------|------------|-------------------|----------------------|----------------------|
| Hydrotreated Light | 64742-47-8 | >5000 mg/kg (Rat) | >2000 mg/kg (Rabbit) | >6.03 mg/L (aerosol) |

Information on Toxicological Effects

Symptoms There is no data for this product.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long Term Exposure.

| | |
|----------------------------|---|
| Skin Corrosion/ Irritation | There is no data for this product |
| Eye Damage/ Irritation | There is no data for this product |
| Irritation | There is no data for this product |
| Corrositivity | There is no data for this product. |
| Sensitization | There is no data for this product. |
| Mutagenic Effects | There is no data for this product. |
| Reproductive Effects | There is no data for this product. |
| STOT – Single exposure | There is no data for this product. |
| STOT- Repeated Exposure | There is no data for this product. |
| Chronic Toxicity | There is no data for this product. |
| Aspiration Hazard | May be fatal if swallowed and enters airways. |
| Carcinogenicity | Contains no ingredient listed as carcinogen. |

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Not to be expected to be harmful to aquatic organisms. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. See the following tables for the substance's ecotoxicity data. Do not allow this material to drain into sewers/water supplies.

| Component | CAS No. | Toxicity to Fish |
|-------------------------------|------------|--|
| Hydrotreated Light Distillate | 64742-47-8 | 96 h LC50 Pimephales Promelas: 45 mg/L (flow-through) 96 h LC50 Lepomis Macrochirus: 2.2mg/L (Static) 96 h LC50 Oncorhynchus Mykiss: 2.4 mg/L (static) |

Persistence and Degradability: Not readily biodegradable.

Bioaccumulation: No information Available

| Component | C A S No | Partition Coefficient N-Octanol/Water (log Kow) |
|-------------------------------|------------|---|
| Hydrotreated Light Distillate | 64742-47-8 | 5.1-8.8 |

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Treatments Methods

| | |
|------------------------|--|
| Waste Disposal Methods | Contain and dispose of waste according to local regulations. |
| Contaminated Packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. |

SECTION 14. TRANSPORT INFORMATION

DOT Not Regulated

ICAO/ IATA/ IMDG/ IMO Not Regulated

SECTION 15. REGULATORY INFORMATION

International Inventories

All components are listed on the TSCA Inventory. For further information, please contact: Supplier (manufacturer/importer/ downstream user/ distributor

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)

This product does not contain substances listed hazardous pollutants (HAPS) under section 112 of the Clear Air Act.

U.S. State Regulations**California Prop. 65**

This product does not contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm

| Component | CAS NO. | Massachusetts Right to Know | Minnesota Right to Know |
|-------------------------------|------------|-----------------------------|-------------------------|
| Hydrotreated Light Distillate | 64742-47-8 | No | No |

| Component | CAS NO. | New Jersey Right to Know | Pennsylvania Right to Know |
|-------------------------------|------------|--------------------------|----------------------------|
| Hydrotreated Light Distillate | 64742-47-8 | No | No |

Canada:

| Component | NPRI – National Pollutant Release Inventory |
|------------------------------------|---|
| Petroleum Distillate 64742-47-8 | Part 5. Other Groups and Mixtures |

SECTION 16. OTHER INFORMATION

| HMIS | Health | Flammability | Reactivity | Personal Protection |
|-------------|--------|--------------|------------|---------------------|
| | 1* | 2 | 0 | x |

Key or legend to abbreviations and acronyms used in safety data sheet.**Legend – Section 8: Exposure Controls/Personal Protection**

TWA Time Weighted Average
 STEL Short Term Average
 Ceiling Maximum Limit Value

ACGIH American Conference of Governmental Industrial Hygienist
 A1 Known Human Carcinogen
 A2 Suspended Human Carcinogen
 A3 Animal Carcinogen

IARC International Agency for Research on Cancer

Group 1 Carcinogenic to Humans
 Group 2A Probably Carcinogenic to Humans
 Group 2B Possibly Carcinogenic to Human

NTP National Toxicity Program

Known Known Carcinogen
 Reasonably Anticipated to be a Human Carcinogen

OSHA Occupational Health and Safety Administration

X Present

Date Oct. 27, 2020

DISCLAIMER

This information provided in this Safety Data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of SDS