

Material Safety Data Sheet # 150
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

Date of preparation: 7/17/95
 Updated: 5/8/2012
 Supersedes: 10/04
 MSDS#: 150

I. PRODUCT IDENTIFICATION

| | | | | | | | | | |
|---|--|--------|---|--------------|---|------------|---|---------------------|---|
| Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033 Emergency phone: (323) 264-2200 | <p align="center">HMIS HAZARD IDENTIFICATION</p> <table border="1"> <tr> <td>Health</td> <td>2</td> </tr> <tr> <td>Flammability</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> <tr> <td>Personal Protection</td> <td>B</td> </tr> </table> | Health | 2 | Flammability | 1 | Reactivity | 1 | Personal Protection | B |
| Health | 2 | | | | | | | | |
| Flammability | 1 | | | | | | | | |
| Reactivity | 1 | | | | | | | | |
| Personal Protection | B | | | | | | | | |
| Product Class: Lithographic Printing Inks | Manufacturer's code: Various, including A128569, A128570, A128695, A128780, A129021, A129351, A129524, A129716, A130543, A131810, A131812, A137177, A141490, A141491, A141492, A141493, A141716, A141717 | | | | | | | | |
| Trade Name: Enviroset/Vibraset, Summer Set Process Inks, Plasti-Pro Inks, Plasti-Lid, Plasti-CVR, etc. | | | | | | | | | |

II. HAZARDOUS INGREDIENTS

| Material | CAS # | % | Exposure Limits | Units |
|--|------------|--------|--|--|
| Diethylene glycol monoethyl ether | 112-59-4 | 2.5 | OSHA/ TWA OSHA/ STEL ACGIH/ TWA ACGIH/ STEL | Not Established Not Established Not Established Not Established |
| Hydroquinone | 123-31-9 | < 0.13 | OSHA/ TWA 2mg/cu. M OSHA/ STEL ACGIH/ TWA 2mg/cu. M ACGIH/ STEL | Not Established Not Established Not Established Not Established |
| Tripropylene glycol monomethyl ether | 25498-49-1 | 0.5 | OSHA / PEL ACGIH/ TWA | Not Established Not Established |
| Cyclohexanone oxime | 100-64-1 | 1.5 | OSHA / PEL ACGIH/ TWA | Not Established Not Established |
| Petro. Distil. | 68131-77-1 | 5.0 | OSHA/ PEL ACGIH / TWA | Not Established Not Established |
| Petro. Distil. | 64741-86-2 | 5.0 | OSHA / PEL ACGIH / TWA | Not Established Not Established |
| Aliphatic Hydrocarbon Solvents exempt 11- 26 OSHA PEL oil mist 5 mg/m3 Exempt from OSHA labeling requirements as outlined in 1910.1200 (d) (IV) (i.e.: contains less than 0.1 % known carcinogen. | | | | |

III. HEALTH HAZARD INFORMATION

Effects of Overexposure

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| Inhalation: Avoid inhalation. May cause dizziness, headaches or nausea. Acute overexposure may result in irritation of the throat and lungs and upper respiratory tract. Chronic exposure to high concentrations of aerosols or mists to laboratory animals has resulted in non-specific symptoms related to the nervous system, gastrointestinal tract, and lungs. |
| Skin Contact: Avoid skin contact. This product may be slightly irritating to skin upon direct contact. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, and reddening. This condition may make the skin more susceptible to other irritants, sensitizers, and disease. Pre-existing skin conditions may make the skin more susceptible and facilitate uptake by this route. |
| Eye Contact: Avoid eye contact. This product may cause irritating to the eyes upon direct contact. Exposure to high concentrations of vapors may be irritating to the eyes. |
| Ingestion: Do not ingest. Ingestion of small quantities is usually nonfatal unless aspiration occurs. Severe oral intoxication will lead to intense burning of the throat and may result in drowsiness, dullness, numbness, and headache followed by dizziness, weakness, and nausea. Loss of consciousness and convulsions followed by death may result. See <i>Notes to Physician</i> section below. |

IV. FIRST AID PROCEDURES

| Emergency & First Aid Procedures | |
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| Eyes: Immediately flush eyes with large amounts of water and continue flushing for 15 minutes until irritation subsides. If irritation persists, seek medical attention. | |
| Skin: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention. Launder contaminated clothing before reuse. | |
| Inhalation: If mist or exposure is generated when the material is heated or handled, remove victim from exposure. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available. If victim is unconscious, remove to fresh air and seek medical attention. | |
| Ingestion: Do not induce vomiting. Seek immediate medical attention. | |
| Notes to Physician: Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage, and may be fatal. Signs of lung involvement include increased respiration rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking, and gagging are often noted at the time of aspiration. Gastrointestinal discomfort may develop, followed by vomiting, with risk of aspiration. | |

V. FIRE AND EXPLOSION DATA

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| Flash Point °F: > 212 °F | Auto-ignition Temperature °F: 428 °F | |
| Flammable Limits in Air (% Volume) | Lower Limit: No Data | Upper Limit: No Data |
| Extinguishing Media: Use water fog, foam, CO ₂ , or dry chemical extinguishing media. | | |
| Special Fire Fighting Procedures: Firefighter wear full protective gear and self contained breathing apparatus. Water may be used to cool containers exposed to heat or flame. | | |
| Unusual Fire & Explosion Hazard: Dense smoke may be generated while burning; carbon dioxide, carbon monoxide, and other oxides may be generated as products of combustion. | | |

VI. ACCIDENTAL RELEASE

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| Steps to be taken in event of spill or release: Ventilate area. Absorb spills with vermiculite, sand, dirt etc. Scrape up with trowel or scoop and place in a suitable container. Clean up with a suitable solvent. Dispose of in accordance with local, state and Federal regulations. Do Not allow to enter drains, sewers or waterways. |
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VII. HANDLING AND STORAGE

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| Handling and Storage: Store in containers in a cool, well-ventilated area. Avoid excessive heat, open flame, all sources of ignition. Consumption of food and beverages should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, and smoking. |
| Other Precautions: For industrial use only. Do not ingest. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor. |

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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| Ventilation Requirements: If vapor or mist is generated when the material is heated or handled, adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specific exposure or flammable limits. |
| Personal Protective Equipment |
| Respirator: Respiratory protection is not required under conditions of normal use. If vapor or mist is generated when the material is heated or handled, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmospheres. |
| Skin: No skin protection is required for single, short duration exposures. For prolonged exposures, use impervious synthetic rubber clothing (boots, gloves, etc.) over parts of the body subject to exposure |
| Eye: If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety glasses or goggles. |

IX. PHYSICAL AND CHEMICAL DATA

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| Boiling Range °F: 300 – 600 °F | Vapor Density (Air = 1): > 1 |
| Relative Density (H₂O = 1): 0.91 – 2.01 | Vapor Pressure (mm Hg @ 68°F): 0.1 |
| Material Density Lbs./Gal: 7.58 – 16.67 | Solubility in Water: Insoluble |
| % Volatile Organic Compounds (VOC) by Weight: 5-14.9 | % Solids by Weight: 85-95 |
| VOC: lbs/gal: 2.50 g/L: 299 | Appearance/Odor: Colored paste |

X. STABILITY AND REACTIVITY INFORMATION

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| Stability (Thermal, Light, etc.): Stable | Conditions to avoid: Excessive heat, open flame and all sources of ignition. |
| Hazardous Polymerization: Will not occur. | Materials to avoid: Avoid contact with strong oxidizers. |
| Hazardous Decomposition Products: CO ₂ , CO, and other oxides may be generated as products of combustion. | |

XI. TOXICOLOGICAL INFORMATION

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| CARCINOGEN: This product has not been identified as a carcinogen by OSHA or the National Toxicology Program (NTP), or the International Agency for Research Cancer (IARC). | |
| Mutagen: | No Data |
| Teratogen: | No Data |
| Reproductive Toxicity: | No Data |
| Components of product: | |
| Tripropylene glycol monomethyl ether 25498-49-1 Oral: LD50 Rat 3,200 mg/kg | |
| Petro. Distil. 64741-86-2 Oral: LD50 Rat > 5,000 mg/kg Dermal: LD50 Rabbit > 2,000 mg/kg | |
| Hydroquinone 123-31-9 Oral: LD50 500 – 2,000 mg/kg Dermal: LD50 > 2,000 mg/kg | |

XII. ECOLOGICAL INFORMATION

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| This product has not been evaluated at this time. As with all chemicals and products, Do Not allow to enter drains, sewers or waterways. |
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XIII. DISPOSAL INFORMATION

Waste Disposal Method: If recycling as ink is not possible, material may be incinerated or land filled at a licensed facility in accordance with local, state, and federal regulations.

XIV. TRANSPORT INFORMATION

Flammability Classification: Combustible
OSHA: Class III B
DOT (Ground): Not Regulated
IMO/ IMDG (Sea): Not Regulated
IATA/ ICAO (Air): Not Regulated

Not classified as dangerous in the meaning of transport regulations.

XV. REGULATORY INFORMATION

SARA Title III Section 313:
This material does Not contain chemicals subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.

SARA Section 302 - Extremely Hazardous Substances (EHS):
This product does not contain any components regulated under Section 302 (40 CFR 355) as EHS.

TSCA Section 8(b) Inventory Status:
All component(s) of this product are either exempt or listed on the TSCA Inventory.

Clean Air Act - Hazardous Air Pollutants (HAP):
This product does not contain any HAP, as defined by the U.S. Clean Air Act Section 112 (40 CFR 61)

U.S. State Regulations

California Proposition 65:
This product contains a chemical(s) known by the state of California to cause cancer and/or reproductive harm.

| <u>Chemical</u> | <u>CAS#</u> | <u>%</u> |
|-----------------|-------------|---------------|
| Benzene | 71-43-2 | Trace amounts |
| Formaldehyde | 50-00-0 | Trace amounts |

Canadian Domestic Substances List (DSL):
All components of this product are either exempt or listed on the DSL.

XVI. OTHER INFORMATION

The information herein is presented in good faith, based on the data available to us and is believed to be correct as of the date hereof. However, Gans Ink and Supply Co., Inc. makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Gans Ink and Supply Co., Inc. assumes no responsibility for any damages of any nature directly or indirectly resulting from the use of or reliance upon the information contained herein. Users must make their own determination as to the suitability of the product for their purpose prior to use. In accordance with good practices of personal cleanliness and hygiene, handle with due care and avoid unnecessary contact with this product.

B

Safety Glasses
Gloves

