

Material Safety Data Sheet #152
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

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 MSDS#: 152

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: Waterless Lithographic Printing Inks	Manufacturer's code: Various, P001DS- 009DS, P467DS, etc.								
Trade Name: Dri-Soy, Dri-Print Inks & Bases									

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
White Mineral oil	8042-47-5	1- 4	OSHA PEL oil mist is 5 mg/M ³ ACGIH TLV oil mist is 5 mg/M ³	
*Aliphatic Hydrocarbon Solvents	Exempt	5 - 10	OSHA / PEL mineral oil mist 5mg/m ³ ACGIH /TWA mineral oil mist 5mg/m ³	
**Proprietary Mixture	NJTSN-8000-1570	3 – 5	OSHA / PEL mineral oil mist 5mg/m ³ ACGIH /TWA mineral oil mist 5mg/m ³	
Hydrotreated Middle Distillate	64742-46-7	14-21	OSHA PEL/TWA 8 hr. 5mg/m ³ ACGIH TLV/TWA 5mg/m ³ ACGIH TLV /STEL 15 min. 5mg/m ³	
Benzene, C 14-30-alkyl derivs.	68855-24-3	2 - 4	OSHA/ PEL ACGIH/ TLV	Not Established Not Established
Tripropylene glycol methyl ether	25498-49-1	< 0.5	OSHA/ PEL ACGIH/ TLV	Not Established Not Established
1,4 benzenediol (Hydroquinone)	123-31-9	< 0.5	OSHA/ PEL ACGIH/ TLV	Not Established Not Established

* The components of this product are exempt from OSHA special labeling requirements as outlined in 1910.1200 (i.e.: contains less than 0.1% known carcinogen).
 **The components of this product are not considered to be Hazardous as defined by the OSHA Hazard Communications STD. (29 CFR 1910.1200)

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: Avoid inhalation. May cause headaches, dizziness, nausea and drowsiness. Can cause central nervous system (CNS) depression. May result in irritation of the respiratory system..
Skin Contact: Avoid skin contact. This product is irritating to the 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 be slightly irritating to the eyes upon direct contact. Adverse conditions may include irritation, watering and redness. Exposure to high concentrations of vapors may be irritating to the eyes.
Ingestion: Do not ingest. 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. See <i>Notes to Physician</i> section below.

IV. FIRST AID PROCEDURES

Emergency & First Aid Procedures
Eyes: Immediately flush eyes with large amounts of water and continue flushing for 15 minutes lifting the upper and lower eyelids. If wearing contacts, remove and continue flushing eyelids. Seek medical attention.
Skin: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water for at least 10 minutes. Seek medical attention. Launder clothing before reuse. Clean shoes before reuse.
Inhalation: Remove victim from exposure to fresh air. 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 immediate medical attention.
Ingestion: Do not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.
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. No specific treatment. Treat symptomatically.

V. FIRE AND EXPLOSION DATA

Flash Point °F: > 200 °F	Auto-ignition Temperature °F: 420 °F	
Flammable Limits in Air (% Volume)	Lower Limit: 1.1	Upper Limit: 6.0
Extinguishing Media: Use water fog or spray, foam, CO ₂ , or dry chemical extinguishing media.		
Special Fire Fighting Procedures: Firefighters use 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

Steps to be taken in event of spill or release: Ventilate area. Keep unnecessary personnel from entering. Scrape up with trowel or scoop and place in a suitable container. Clean up with a suitable solvent. Do not allow spilled material to enter sewers, drains or waterways. Dispose of in accordance to state, local and Federal regulations.
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VII. HANDLING AND STORAGE

Handling and Storage: Store in containers in a cool, well-ventilated area. Keep away from open flame, heat, and other 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

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
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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: Chemical resistant gloves and apron are recommended. Safety showers are recommended.

Eye: If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety glasses or goggles. Eyewash stations are recommended.

IX. PHYSICAL AND CHEMICAL DATA

Boiling Range °F: 212 – 710 °F	Vapor Density (Air = 1): > 1
Relative Density (H₂O = 1): 1.00 - 1.29	Vapor Pressure (mm Hg @ 68°F): No Data
Material Density Lbs./Gal: 8.33- 10.74	Solubility in Water: Insoluble
% Volatile Organic Compounds (VOC) by Weight: 14 –30 Max.	% Solids by Weight: 70 - 86
VOC: lbs/gal: < 3.22 g/L: 387	Appearance/Odor: Colored paste

X. STABILITY AND REACTIVITY INFORMATION

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

XI. TOXICOLOGICAL INFORMATION

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
Acute Toxicity: Hydrotreated Middle Distillate Oral LD50 Rat > 15,000 mg/kg Dermal LD50 Rabbit > 3,160 mg/kg	
Benzene, C14-30-alkyl derivs. Oral LD50 Rat > 15,800 mg/kg Dermal LD50 Rabbit > 7,940 mg/kg	

XII. ECOLOGICAL INFORMATION

This product has not been evaluated at this time. Components of this product have no known significant effects or critical hazards. As with all chemicals and products do not allow to enter drains, sewers or waterways.

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.
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XIV. TRANSPORT INFORMATION

Flammability Classification:	
OSHA:	Class III B
DOT (Ground):	Not Regulated

IATA (Air):	Not Regulated
IMO/ IMDG (Sea):	Not Regulated

XV. REGULATORY INFORMATION

SARA Title III Section 313:

This material does not contain chemical(s) subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.

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 contains the following chemicals listed as HAP under the U.S. Clean Air Act Section 112 (40 CFR 61)

<u>Chemical</u>	<u>CAS#</u>	<u>%</u>
Formaldehyde	50-00-0	Trace amounts
Hydroquinone	123-31-9	< 0.5

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>
Formaldehyde	50-00-0	Trace amounts

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

