

**Material Safety Data Sheet # 131**  
**For Printing Inks and related Materials**

Date of preparation: 6/5/90  
 Supersedes: 3/27/2012  
 Updated: 7/31/2013  
 MSDS#: 131

**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"><b>HMIS HAZARD IDENTIFICATION</b></p> <table border="1"> <tr> <td>Health</td> <td>1</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	1	Flammability	1	Reactivity	1	Personal Protection	B
Health	1								
Flammability	1								
Reactivity	1								
Personal Protection	B								
<b>Product Class:</b> Magnetic Lithographic Printing Ink	<b>Manufacturer's code:</b> 87949, 92420, A106526, X103206 etc.								
<b>Trade Name:</b> Magnetic inks (MICR) , MICR Inks w/ Red Bleed									

**II. HAZARDOUS INGREDIENTS**

Material	CAS #	%	Exposure Limits	Units
Technical White Oils	8042-47-5	5.0 Max	OSHA PEL oil mist is 5 mg/M <sup>3</sup> ACGIH TLV	No Limit No Limit
Light Naphthenic Petro. Distil.	64742-53-6	< 6.0	OSHA PEL/ TWA oil mist is 5 mg/M <sup>3</sup> ACGIH TLV oil mist is 5 mg/M <sup>3</sup> ACGIH/ STEL oil mist is 10 mg/M <sup>3</sup>	
Heavy Petro. Distil.	64742-52-5	< 4.0	OSHA PEL oil mist is 5 mg/M <sup>3</sup> ACGIH TLV oil mist is 5 mg/M <sup>3</sup> ACGIH/ STEL oil mist is 10 mg/M <sup>3</sup>	
Cyclohexanone, oxime	100-64-1	1.5	OSHA / PEL ACGIH / TLV	NE NE
Petro. Distil.	68131-77-1	0.9	OSHA PEL/TWA ACGIH / TLV	NE NE
Petro. Distil.	64741-86-2	0.9	OSHA PEL oil mist is 5 mg/M <sup>3</sup> ACGIH TLV oil mist is 5 mg/M <sup>3</sup>	

NE = Not Established

**III. HEALTH HAZARD INFORMATION**

<p><b>Effects of Overexposure</b></p>
<p><b>Inhalation:</b> This product has a low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product. The threshold limit value (TLV) for this product as oil mist is 5 mg/M<sup>3</sup>. Exposures below 5 mg/M<sup>3</sup> appear to be without significant health risk. Acute overexposure may result in irritation of the throat and lungs. 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.</p>
<p><b>Skin Contact:</b> Avoid skin contact. This product is non-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.</p>

Pre-existing skin conditions may make the skin more susceptible and facilitate uptake by this route.
<b>Eye Contact:</b> Avoid eye contact. This product may be slightly irritating to the eyes upon direct contact. Exposure to high concentrations of vapors may be irritating to the eyes.
<b>Ingestion:</b> 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.

#### V. FIRST AID PROCEDURES

<b>Emergency &amp; First Aid Procedures</b>
<b>Eyes:</b> Immediately flush eyes with large amounts of water and continue flushing for 15 minutes until irritation subsides. If irritation persists, seek medical attention.
<b>Skin:</b> Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention. Launder clothing before reuse.
<b>Inhalation:</b> This material is not expected to present an inhalation exposure at ambient conditions. 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.
<b>Ingestion:</b> Do not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.
<b>Notes to Physician:</b> 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

<b>Flash Point:</b> > 230 °F PMCC	<b>Auto-ignition Temperature:</b> No Data
<b>Flammable Limits in Air</b>	<b>Lower Limit:</b> No Data <b>Upper Limit:</b> No Data
<b>Extinguishing Media:</b> Use water fog, foam, CO <sub>2</sub> , or dry chemical extinguishing media.	
<b>Special Fire Fighting Procedures:</b> Firefighters wear self-contained breathing apparatus. Water may be used to cool containers exposed to heat of flame.	
<b>Unusual Fire &amp; Explosion Hazard:</b> Dense smoke may be generated while burning; carbon dioxide, carbon monoxide, and other oxides may be generated as products of combustion.	

#### VI. ACCIDENTAL RELEASE

<b>Steps to be taken in event of spill or release:</b> Absorb with an inert material such as 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 state, local and Federal regulations. Do not allow to enter sewers, drains or waterways.
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#### VII. HANDLING AND STORAGE

<b>Handling and Storage:</b> Store in closed containers in a cool, well-ventilated area. Keep containers closed when not using. Avoid heat, open flame, sparks, sources of ignition and strong oxidizing agents. 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.
<b>Other Precautions:</b> 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

<b>Ventilation Requirements:</b> 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.
<b>Personal Protective Equipment</b>
<b>Respirator:</b> 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 / MSHA certified. Do not use compressed oxygen in hydrocarbon atmospheres.

**Skin:** For prolonged exposures, use impervious synthetic rubber clothing (boots, gloves, etc.) over parts of the body subject to exposure.

**Eye:** Eye protection is not required under conditions of normal use. 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

<b>Boiling Range, °F:</b> 229 – 600 °F	<b>Vapor Density (Air = 1):</b> No Data
<b>Relative Density (H<sub>2</sub>O = 1):</b> 1.66 – 3.55	<b>Vapor Pressure (mm Hg @ 68F):</b> 0.1
<b>Material Density Lbs./Gal:</b> 13.82 – 29.56	<b>Solubility in Water:</b> Insoluble
<b>% Volatiles by Weight:</b> 5.2	<b>% Solids by Weight:</b> 94.8
<b>VOC Lbs/Gal:</b> < 1.54 g/L: 185	<b>Appearance/Odor:</b> Black Paste

#### X. STABILITY AND REACTIVITY INFORMATION

<b>Stability (Thermal, Light, etc.):</b> Stable	<b>Conditions to avoid:</b> Avoid excessive heat, open flame, sources of ignition.
<b>Hazardous Polymerization:</b> Will not occur.	<b>Materials to avoid:</b> Avoid contact with strong oxidizers.
<b>Hazardous Decomposition Products:</b> CO <sub>2</sub> , 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, ACGIH, the National Toxicology Program (NTP), or the International Agency for Research Cancer (IARC).

**Mutagen:** No Data

**Teratogen:** No Data

**Reproductive Toxicity:** No Data

**Acute Data:**

Petroleum Distillates: 64741-86-2

Oral LD50 Rat > 5,000 mg/kg

Dermal LD50 Rabbit > 2,000 mg/ kg

Light Naphthenic Petro. Distil. 64742-53-6

Oral LD50 Rat: > 2 g/kg

Dermal LD50 Rabbit: > 2 g/ kg

Inhalation LC50: No information available

Heavy Petro. Distil. 64742-52-5

Oral LD50 Rat: > 5 mg/kg

Dermal LD50 Rabbit: > 2g/kg

Technical White Oil 8042-47-5

Oral LD50 Rat: > 5 g/kg

Dermal LD50 > 2 g/kg

Inhalation LC50: No information available

#### XII. ECOLOGICAL INFORMATION

This product has not been evaluated at this time. As with all chemicals and products do not allow to enter sewers, drains or waterways.

Cyclohexanone, oxime: Fresh Water Acute LC50 208 mg/l/4 d Fat head minnow

### 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

**US DOT(Ground):** Not Regulated

**IMDG (Sea):** Not Regulated

**IATA (Air):** Not Regulated

### 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.

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

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

**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)

**SARA Section 304 – CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):**  
This product does not contain any components regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification (“CERCLA” List).

#### 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

### 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

