

Material Safety Data Sheet # 148
For Printing Inks and related Materials

Date of preparation: 8/20/91
 Updated: 11/5/2013
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 MSDS#: 148

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>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								
Product Class: Lithographic Printing Ink	Manufacturer's code: Various, 25365, 15700, A133078SX2								
Trade Name: SoyPlus Inks									

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
cyclohexanone oxime	100-64-1	2.5	OSHA / PEL ACGIH / TLV	Not Established Not Established
Petrol. distillates	68131-77-1	1.5	OSHA / PEL ACGIH / TLV	Not Established Not Established
Petrol. Distillates	64741-86-2	1.5	OSHA / PEL ACGIH / TLV	Not Established Not Established
Red colors may contain Pigment Red 53:1:				
Pigment Red 53:1	5160-02-1	< 27.0	OSHA / PEL ACGIH / TLV	Not Established Not Established
Product 62-190 contains the highest amount at 26.97 %				

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: This product is not expected to present an inhalation hazard.
Skin Contact: 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. 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. 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. See Notes to Physician 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 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.
Inhalation: 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.

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

Flash Point °F: > 215 °F	Auto-ignition Temperature °F: No Data	
Flammable Limits in Air	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: Firefighters wear self contained breathing apparatus and protective gear. 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: Scrape up with trowel or scoop and place in a suitable container. Clean up with a suitable solvent. Do not allow to enter waterways, drains or sewers.

VII. HANDLING AND STORAGE

Handling and Storage: Store in containers in a cool, well-ventilated area. 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 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: 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 or splash-proof safety goggles. Eyewash stations are recommended.

IX. PHYSICAL DATA

Boiling Range °F: 392 – 600 °F	Vapor Density (Air = 1): > 1
Relative Density (H₂O = 1): 1.03-1.16	Vapor Pressure (mm Hg @ 68°F): 0.1
Material Density Lbs./Gal: 8.58 - 9.66	Solubility in Water: Insoluble
% Volatiles by Weight: < 5 %	
VOC Lbs./Gal: < 0.48 g/L: 58.0	Appearance / Odor: Colored oily paste

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable	Conditions to avoid: Excessive heat, sources of ignition and open flame.
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

XII. ECOLOGICAL INFORMATION

This product has not been evaluated at this time. As with all chemicals and products Do Not allow to enter drains,

waterways or sewers.

Cyclohexanone , oxime
Acute LC50 208 mg/l/4 d Freshwater, Fathead 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:

OSHA:	Class III B
DOT (Ground):	Not Regulated
IMDG (Sea):	Not Regulated
IATA (Air):	Not Regulated

XV. REGULATORY INFORMATION

SARA Title III Section 313:

This material contains a chemical(s) subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act

Only Ink number 62-190 Warm Red and blends with this color contain:

<u>Chemical</u>	<u>313 Category Code</u>	<u>%</u>
Barium Compound	N040	27.0 max.

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 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.

U.S. State Regulations

California Proposition 65:

This product contains a chemical(s) known by the state of California to cause cancer.

<u>Chemical</u>	<u>CAS#</u>	<u>%</u>	<u>Type of Toxicity</u>
Red Lake C Barium Compounds	5160-02-1	27.0 Max.	Cancer

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. assume 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.

B

Safety Glasses
Gloves

