Material Safety Data Sheet # 284

For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

Date of preparation: 3/10/2010
Updated: 10/4/2021
MSDS #: 284.1

I. PRODUCT IDENTIFICATION

Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033 Emergency phone: (323) 264-2200	**HMIS HAZARD IDENTIFICATION** Health 1 Flammability 1 Reactivity 0 Personal Protection B
Product Class: Lithographic Printing Ink	**Manufacturer's code:** I011855-9, I011750-53, A141182 - 85, A137635 - A137638
Trade Name: OS ISO GT Process Series, OS Soya G7 Process Series	

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Aliphatic Distillate	64742-47-8	15 – 20	OSHA / PEL ACGIH / TLV	NE NE

Low Hazard: This product is a compound mixture of raw materials; the raw materials themselves do not have hazardous properties.

III. HEALTH HAZARD INFORMATION

Effects of Overexposure

Inhalation: This product is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent aerosolization or misting of this product. Excess inhalation of mist or vapor may cause dizziness, nausea or irritation of nasal and respiratory passages. Acute overexposure may result in irritation of the throat and lungs.

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. Loss of consciousness and convulsions followed by death may result. 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 if aspiration. Gastrointestinal discomfort may develop, followed by vomiting, with risk of aspiration.

V. FIRE AND EXPLOSION DATA

Flash Point °F: 293 F		**Auto-ignition Temperature °F:** No Data
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:** Fire fighter use 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. Spill should be contained and absorbed with an absorbent material such as sand, vermiculite etc. and placed in a suitable container for disposal. Clean up with a suitable solvent. Do not allow product to enter drains, sewers or waterways.

VII. HANDLING AND STORAGE

Handling and Storage: Store in containers in a cool, well-ventilated area. Avoid storage above 90 °F. Keep away from sources of ignition and open flame. Keep containers closed when not in use. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor. Always wash hands and face with soap and water before eating, drinking, and smoking.
Other Precautions: For industrial use only. Do not ingest. Consumption of food and beverages should be avoided in work areas where hydrocarbons are present.

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: The use of impervious synthetic rubber gloves is recommended.
Eye: The use of plastic face shield, safety glasses or splash-proof safety goggles is recommended.

IX. PHYSICAL AND CHEMICAL DATA

Boiling Range °F: 550 – 625 °F	**Vapor Density (Air = 1):** > 1
Relative Density (H_2O = 1): 0.99	**Vapor Pressure (mm Hg @ 68°F):** No Data
Material Density Lbs./Gal: 8.24	**Solubility in Water:** Insoluble **pH:** No Data
% Volatile Organic Compounds (VOC) by Weight: 8.6- 10.6	**% Solids by Weight:** 89 - 91 **Evaporation Rate (BuAc=1) :** Slower
VOC: lbs/gal: .87 **g/L:** 105	**Appearance/Odor:** Colored paste/ Slt. Odor

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable	**Conditions to avoid:** Excessive heat, sources of ignition, temperatures above 90 F.
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 sewers, drains 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.

XIV. TRANSPORT INFORMATION

Flammability Classification:
OSHA: Class III B
DOT: Not Regulated
DOT Packing Label: Not Regulated
DOT Hazard Class: Not Regulated

XV. REGULATORY INFORMATION

U.S. State Regulations

SARA Title III Section 313 Toxic Chemical List (TCL): This product DOES NOT contain any chemical 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 (Toxic Substances Control Act) Section 8(b) Inventory Status:
All component(s) of this product are listed on the TSCA Inventory.

Coalition of Northeast Governors (CONEG) Legislation:

This product is in compliance with CONEG (i.e. total cadmium, hexavalent chromium, lead and mercury < 100 ppm)

FDA:
This printing ink is not a food additive and would not have approval for direct or indirect contact with food.

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)

California Proposition 65:
This product does not intentionally contain any chemicals known by the state of California to cause cancer, birth defects and/or reproductive harm. Moreover, Gans Ink and Supply Co., Inc. does not routinely analyze its products for impurities which may be such chemicals.

International Regulations

EINECS (European Inventory of Existing Commercial Chemical Substances) List:

This product is listed on EINECS or otherwise complies with EINECS requirements.

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