

Material Safety Data Sheet #109
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

Date of preparation: 5/20/93
 Supersedes: 1/25/2012
 Updated: 10/29/2013
 MSDS #: 109

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: Litho, Overprint varnishes	Manufacturer's code: S-500, S-800, 20988, U014713, A129133, SA0641, A124100, O011410, O-4770, S-1400, I011788, I011603, S-1027, I011759, etc								
Trade Name: Amerigloss, Soyelite, Mega Gloss, Gloss, Gloss Wax Free, Dull, et al.									

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Alcohol C11 -14- ISO, -C 13-Rich	68526-86-3	3.0	OSHA / TWA	50 ppm
Diethylene glycol monohexyl ether	112-59-4	0.15	OSHA / PEL	Not Established
Aliphatic Hydrocarbon Solvents	exempt		OSHA / PEL	oil mist 5mg/m3

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: Avoid inhalation. 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.
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. This product has a low vapor pressure and is not expected to present a hazard to the eyes at ambient conditions. 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. Launder soiled clothing before reuse.
Inhalation: This material has a low vapor pressure and 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: Only induce vomiting at the instruction of medical personnel. Call a physician or poison control center immediately. 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.

V. FIRE AND EXPLOSION DATA

Flash Point °F: > 200 °F	Auto-ignition Temperature °F: No Data
Flammable Limits in Air	Lower Limit: 1.1 Upper Limit: No Data
Extinguishing Media: Use water fog, foam, CO ₂ , or dry chemical extinguishing media.	
Special Fire Fighting Procedures: Water may be ineffective, but can be used to cool containers exposed to heat or flame. Firefighter use self contained breathing apparatus and protective gear.	
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. Absorb spill with vermiculite, sand, dirt or other inert material. Scoop or place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Do Not allow to enter waterways, sewers or drains.

VII. HANDLING AND STORAGE

Handling and Storage: Store in closed containers in a cool, well-ventilated area. Keep away from heat, flame and 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 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 / MSHA 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 shield or splash-proof safety glasses or goggles.

IX. PHYSICAL DATA

Boiling Range °F: 300 - 700°F	Vapor Density (Air = 1): Heavier
Relative Density (H₂O = 1): 0.97 – 1.07	Vapor Pressure (mm Hg @ 68°F): 0.1
Material Density Lbs./Gal: 8.08- 8.91	Solubility in Water: Insoluble
% Volatile Organic Compounds (VOC) by Weight: 8 – 24.9	Evaporation Rate: Slower than Butyl Acetate
VOC: Lbs/Gal: 2.22 max. g/L 266	Appearance/Odor: Clear golden viscous paste

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable under conditions of normal use.	Conditions to avoid: Excessive heat, open flame, sources of ignition.
Hazardous Polymerization: Will not occur.	Materials to avoid: Strong oxidizing agents
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 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 and national regulations.
As with all chemical and products Do Not allow to enter waterways, drains or sewers.

XIV. TRANSPORT INFORMATION

Flammability Classification: Combustible
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 may contain a chemical(s) subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.		
<u>Chemical</u>	<u>CAS#</u>	<u>%</u>
Glycol Ethers	N230	0.15
SARA Section 302 - Extremely Hazardous Substances (EHS): This product does not contain any components regulated under Section 302 (40 CFR 355) as EHS.		

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).

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>
Glycol Ethers	N230	0.15

U.S. State Regulations

California Proposition 65:

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

Canada

DSL (Canadian Domestic Substances List):

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. 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.

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

