

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								
	<table border="1"> <tr><td>Health</td><td>1</td></tr> <tr><td>Flammability</td><td>2</td></tr> <tr><td>Reactivity</td><td>0</td></tr> <tr><td>Personal Protection</td><td>B</td></tr> </table>	Health	1	Flammability	2	Reactivity	0	Personal Protection	B
Health	1								
Flammability	2								
Reactivity	0								
Personal Protection	B								
Product Class: Lithographic Fountain Concentrate	Manufacturer's code: S-1804 G,P,D								
Trade Name: Premium ONE- STEP									

II. HAZARDOUS INGREDIENTS

Material	CAS #	%	Exposure Limit	Units
Propylene Glycol	57-55-6	10- 20	OSHA /PEL ACGIH TLV/TWA	NE NE
2-Butoxyethanol	111-76-2	25-50	OSHA /PEL skin ACGIH TLV/TWA skin	25 ppm 25 ppm
Magnesium Nitrate	13446-18-9	1-5	OSHA /PEL ACGIH TLV/TWA	NE NE
Glyceritol	56-81-5	10-20	OSHA PEL 10 mg/m3 5 mg/ m3 (respirable) ACGIH TLV/TWA 10mg/m3	

The components above are identified as hazardous chemicals based upon the criteria of the OSHA Hazard Communication Standard (29CFR 1910. 1200).

NE: Not Established

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
Inhalation: Avoid inhalation. Harmful if inhaled. Vapors may be irritating to nasal passages and upper respiratory. Excessive exposure may lead to symptoms of central nervous system effects and depression.
Skin Contact: Avoid skin 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 is irritating to the eyes.
Ingestion: Do not ingest. May lead to vomiting, nausea, etc. 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 <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. Seek immediate medical attention.
Skin: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.
Inhalation: 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: 155 °F (Tag Closed Cup)	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.		
Special Fire Fighting Procedures: Water can 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: Absorb spills with ground clay, vermiculite or similar absorbent material. Scrape up with trowel or scoop and place in a suitable container. For large spills, dike and contain spill. Eliminate potential sources of ignition, and shut off source of spill if possible. Remove liquid by chemical vacuum, absorbent or other safe and approved method and place into containers for disposal. Flush area with water to remove residue, and remove flushed solutions as above. Dispose of in accordance to state, local and federal regulations. Do not allow to enter drains, waterways or sewers.

VII. HANDLING AND STORAGE

Handling and Storage: Keep containers closed when not in use. Store in containers in a cool, well-ventilated area. Store at temperatures between 50 °F and 100 °F. DO NOT freeze. Plastic or stainless steel handling and transfer equipment is recommended. Keep away from all sources of heat and open flame. Avoid open electrical sources near product vapor areas. Empty containers can be hazardous Do not reuse empty containers. 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 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. Local and mechanical exhaust is recommended.
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: Impervious or chemical resistant gloves and apron are recommended. Avoid skin contact and wash skin with soap and water after using products.
Eye: Eye protection is required under conditions of normal use. If material is handled such that it could be

splashed into eyes, wear plastic face shield or chemical splash-proof safety glasses or goggles.

IX. PHYSICAL AND CHEMICAL DATA

Boiling Range °F: 212 °F	Vapor Density (Air = 1): Not Defined
Relative Density (H₂O = 1): 1.04	Vapor Pressure (mm Hg @ 68°F): < 1.0
Material Density Lbs./Gal: 8.66	Solubility in Water: Soluble
% Volatile Organic Compounds (VOC) by Weight: 56.0	Melting Point: Not Applicable pH: Of Concentrate 3.4
VOC: lbs/gal: concentrate as packaged: 4.85 g/L: 582 This product must be diluted before application. Please see the product label for instructions. VOC as applied to image plate: At 5 oz. S-1804 / gal. water: VOC = 21.9 g/L At 4 oz. S-1804/ gal. water: VOC = 17.6 g/L	Appearance/Odor: Blue Liquid / Mild ether odor

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable	Conditions to avoid: Avoid exposure to high heat sources, and open flame. Store at temperatures between 50 °F – 100 °F. Product freezable.
Hazardous Polymerization: Will not occur.	Materials to avoid: Avoid electrical and welding arcs. . Keep away from all sources of heat and open flame.
Hazardous Decomposition Products: None known.	

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 waterways, drains or sewers.

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 Liquid

OSHA: Class III A

DOT: Cleaning Liquid, Not Regulated

XV. REGULATORY INFORMATION

SARA Title III Section 313:

This material contains chemicals subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.

Chemical

CAS#

2-Butoxyethanol 111-76-2 Glycol ethers

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)

TSCA Section 8(b) Inventory Status:

All component(s) of this product are either exempt or listed on the TSCA Inventory.

Canadian DSL Inventory: Components of this product are listed on the Domestic Substance List (DSL)

U.S. State Regulations

California Proposition 65:

This product does not 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.

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