

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>2</td></tr> <tr><td>Flammability</td><td>3</td></tr> <tr><td>Reactivity</td><td>0</td></tr> <tr><td>Protective Equipment</td><td>S C</td></tr> </table>	Health	2	Flammability	3	Reactivity	0	Protective Equipment	S C
Health	2								
Flammability	3								
Reactivity	0								
Protective Equipment	S C								
Product Class: Lithographic Roller Cleaner	Manufacturer's code: S-1644								
Trade Name: UV MRC (metering roller cleaner)									

II COMPOSITION / INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Isopropyl Alcohol	67-63-0	25	OSHA TLV/ TWA	400 ppm
2- Butoxyethanol	111-76-2	25	OSHA TLV / TWA	25 ppm
Aliphatic Naphtha	64742-89-8	50	OSHA TLV / TWA	400 ppm

III. HEALTH HAZARD INFORMATION

Effects of Overexposure
<p>Inhalation: Excessive inhalation of vapors or mists may cause nasal and respiratory irritation, drowsiness, dizziness, loss of coordination, nausea, vomiting, headache and unconsciousness or even asphyxiation. Prolonged or repeated over exposure to solvents have been reported to cause brain and central nervous system damage. Over exposure to glycol ethers have been reported to cause blood, liver, and kidney disorders. See Notes to Physician section below</p>
<p>Skin Contact: Avoid skin contact. This product is 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.</p>
<p>Eye Contact: Avoid eye contact. This product is extremely irritating to the eyes upon direct contact. Causes tearing, redness and swelling.</p>
<p>Ingestion: Do not ingest. Irritation of digestive tract. Signs of CNS (central system depression) intense burning of the throat may result in drowsiness, dullness, numbness, and headache followed by dizziness, weakness, and nausea, vomiting and fatigue. Loss of coordination.</p>

IV. FIRST AID PROCEDURES

Emergency & First Aid Procedures
<p>Eyes: Flush eyes with large amounts of water, seek medical attention.</p>
<p>Skin: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. Seek medical attention.</p>
<p>Inhalation: 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.</p>
<p>Ingestion: Do not induce vomiting. Seek emergency medical attention. Material may enter lungs during swallowing or vomiting and cause lung inflammation and damage.</p>
<p>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,</p>

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: TCC < 20 ° F	Auto-ignition Temperature °F: No Data
Flammable Limits in Air	Lower Limit: No Data Upper Limit: No Data
Extinguishing Media: Use dry chemical, carbon dioxide or universal type foam.	
Special Fire Fighting Procedures: Self contained breathing apparatus.	
Unusual Fire & Explosion Hazard: Avoid spreading burning liquid with water used for cooling purposes.	

VI. ACCIDENTAL RELEASE

Steps to be taken in event of spill or release: Extinguish all ignition sources. Ventilate area. Contain spill. For large spills, pump into salvage tanks. Soak up small spills with absorbent material.

VII. HANDLING AND STORAGE

Handling and Storage: Store in containers in a cool, well-ventilated and dry area. Keep containers tightly closed when not in use. Store as Flammable Liquid. This is an industrial product and should be used by trained personnel only. Containers of this material may be hazardous even when emptied, since containers retain product residue. Follow all hazard warnings given in this data sheet even after container is emptied. Keep away from sparks, heat and open flame.

Other Precautions: For industrial use only. Do not ingest. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor. 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.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation Requirements: Provide sufficient general and / or local exhaust ventilation to maintain exposure below TLV limits.

Personal Protective Equipment

Respirator: All respirators must be NIOSH / MSHA jointly approved respirator if exposure levels exceed TLV. Do not use compressed oxygen in hydrocarbon atmospheres.

Skin: Use impervious synthetic rubber clothing (boots, gloves, etc.) over parts of the body subject to exposure. Shower stations recommended.

Eye: Wear chemical splash-proof safety goggles. Eye wash stations recommended.

IX. PHYSICAL AND CHEMICAL DATA

Boiling Point °F: 185 ° F IBP	Vapor Density (Air = 1): < 1
Relative Density (H₂O = 1): 0.76	Vapor Pressure (mm Hg @ 68°F): 31
Material Density Lbs./Gal: 6.34	Solubility in Water: Insoluble
%Volatiles by Volume: 100	Evaporation Rate (BuAc): > 1 pH: N/A
VOC: Lbs/Gal: 6.34 max. g/L: 760	Appearance/Odor: Clear Colorless Liquid/ Alcohol Odor

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable	Conditions to avoid: Keep away from heat, sparks and open flame.
Hazardous Polymerization: Will not occur.	Materials to avoid: Oxidizers
Hazardous Decomposition Products: CO ₂ , CO, and various other hydrocarbons.	

XI. TOXICOLOGICAL INFORMATION

No Data at this time.

XII. ECOLOGICAL INFORMATION

This product has not been evaluated at this time.

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: Flammable Liquid

OSHA: Class I B

DOT: Flammable Liquids, N.O.S. (Petroleum Distillates, Isopropyl Alcohol), 3, UN 1993, PG II

XV. REGULATORY INFORMATION

SARA Title III Section 313:

This material contains the following chemicals subject to the reporting requirements of the Superfund Amendments and Reauthorization ACT SARA, 313 - 40 CFR 372.65

Chemical:	CAS #	%
Isopropyl Alcohol	67-63-0	25
2- Butoxyethanol	111-76-2	25

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 may contain trace quantities of the following chemicals known by the state of California to cause cancer, birth defects and/or reproductive harm.

Benzene	71- 43-2
Toluene	108-88-3

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.