

Material Safety Data Sheet # 374
For Printing Inks and related Materials
OSHA Hazard Communication Standard, 29 CFR 1910.1200

Date of preparation: 9-25-08
MSDS#: 374

I. PRODUCT IDENTIFICATION

<p>Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033</p> <p>Emergency phone: (323) 264-2200</p>	<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>0</td> </tr> <tr> <td>Personal Protection</td> <td>B</td> </tr> </table>	Health	1	Flammability	1	Reactivity	0	Personal Protection	B
Health	1								
Flammability	1								
Reactivity	0								
Personal Protection	B								
<p>Product Class: Lithographic Fountain Solution Alcohol Replacement</p>	<p>Manufacturer's code: S-1824</p>								
<p>Trade Name: Alco Green Alcohol Replacement</p>									

II. COMPOSITION / INGREDIENTS

Material	CAS #	%	Exposure Limits	Units
Butyl Oxitol	111-76-2	15-30	OSHA PEL / TWA ACGIH TWA/ TLV ACGIH STEL/ TLV	25 ppm 25 ppm 75 ppm

III. HEALTH HAZARD INFORMATION

<p>Effects of Overexposure</p>
<p>Inhalation: Inhalation of excessive concentrations of vapors or mists may cause irritation of nose and throat, drowsiness, loss of coordination, headaches and fatigue. Reports of associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as Solvent or Painters Syndrome). Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.</p>
<p>Skin Contact: Avoid skin contact. This product may cause skin irritation. One or more components of this product is a skin irritant. Prolonged or repeated exposure to this product may cause redness, and burning, drying of skin. This product may be absorbed through the skin. Persons with prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, and reddening. Persons with pre-existing skin conditions maybe more susceptible to the affects of this material.</p>
<p>Eye Contact: Avoid eye contact. One or more components of this product is an eye irritant. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing, and swelling.</p>
<p>Ingestion: (Swallowing) Ingestion of small quantities is usually nonfatal unless aspiration occurs. Swallowing large amounts can be harmful. Pre-existing kidney and liver disorders may be aggravated by exposure to this product. 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 <i>Notes to Physician</i> section below.</p>

IV. FIRST AID PROCEDURES

<p>Emergency & First Aid Procedures</p>
<p>Eyes: Immediately flush eyes with large amounts of water and continue flushing for 15 minutes until irritation subsides. Seek immediate medical attention.</p>
<p>Skin: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. Wash clothing before future reuse. If skin is damaged, apply a dressing and seek medical attention.</p>
<p>Inhalation: Inhalation of excessive concentrations of vapors or mists may cause irritation of nose and throat, drowsiness, loss of coordination, headaches and fatigue. If any of these symptoms should occur, victim should seek air free from vapors. .If mist or exposure is generated when the material is heated or</p>

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 immediate medical attention.

Ingestion: If this product is swallowed INDUCE VOMITING AS DIRECTED BY MEDICAL PERSONNEL. 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: 200 F		Auto-ignition Temperature °F: No Data
Flammable Limits in Air (% Volume)	Lower Limit: No Data	Upper Limit: No Data
Extinguishing Media: Use universal type foam, CO ₂ , or dry chemical extinguishing media. Water may be ineffective		
Special Fire Fighting Procedures: The use of self-contained breathing apparatus is recommended for fire fighters. Water may be ineffective, but can be used to cool containers exposed to heat or flame. Water may be unsuitable as an extinguishing medium.		
Unusual Fire & Explosion Hazard: This material will burn but will not ignite readily.		

VI. ACCIDENTAL RELEASE

Steps to be taken in event of spill or release: Stop and / or contain discharge. Cover with absorbent material and place in a suitable container. Keep out of waterways.

VII. HANDLING AND STORAGE

Handling and Storage: Store in containers in a cool, well-ventilated area away from extreme heat or cold temperatures. Keep away from all ignition sources. Keep closed when not in use. Avoid prolonged contact with skin, contact with eyes, and breathing of mist or vapor.

Other Precautions: For industrial use only. Do not ingest. 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: 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 gloves which are impermeable to the specific material handled is advised to prevent skin irritation and absorption.

Eye: Use approved eye protection to safeguard against potential eye contact, irritation, and injury. If material is handled such that it could be splashed into eyes, wear plastic face or splash-proof safety goggles.

IX. PHYSICAL AND CHEMICAL DATA

Boiling Point °F: 340 F	Vapor Density (Air = 1): > 1
Relative Density (H₂O = 1): 1.00	Vapor Pressure (mm Hg @ 70°F): N/A
Material Density Lbs./Gal: 8.35	Solubility in Water: Soluble
%Volatiles by Weight: 29.9	Evaporation Rate: < Water pH: 7
VOC: lbs/gal: 2.50 Method 24 g/L: 299	Appearance/Odor: Clear Liquid / Glycolic Odor

X. STABILITY AND REACTIVITY INFORMATION

Stability (Thermal, Light, etc.): Stable	Conditions to avoid: Excessive heat or cold temperatures.
Hazardous Polymerization: Will not occur.	Materials to avoid: Strong Acids
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.

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.
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XIV. TRANSPORT INFORMATION

Flammability Classification:	
OSHA:	Class III B
DOT Hazard Classification:	Non Hazardous
IMDG Hazard Classification:	Non Hazardous
IATA Hazard Classification:	Non Hazardous
IMDG/ IATA Shipping Name:	Non Hazardous

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.		
<u>Chemical</u>	<u>CAS #</u>	<u>%</u>
Butyl Oxitol	111-76-2	15 - 30
TSCA Section 8(b) Inventory Status: All component(s) of this product are either exempt or listed on the TSCA Inventory.		
<u>U.S. State Regulations</u>		
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.		

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.
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