

**Material Safety Data Sheet # 313**  
**For Printing Inks and related Materials**  
**OSHA Hazard Communication Standard, 29 CFR 1910.1200**

Date of preparation: 4/24/06  
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 MSDS: 313

**I. PRODUCT IDENTIFICATION**

Manufacturer: Gans Ink and Supply Co, Inc. Address: 1441 Boyd Street Los Angeles, CA 90033  Emergency phone: (323) 264-2200	<b>HMIS HAZARD IDENTIFICATION</b>								
	<table border="1"> <tr><td>Health</td><td>2</td></tr> <tr><td>Flammability</td><td>1</td></tr> <tr><td>Reactivity</td><td>1</td></tr> <tr><td>Personal Protection</td><td>C</td></tr> </table>	Health	2	Flammability	1	Reactivity	1	Personal Protection	C
Health	2								
Flammability	1								
Reactivity	1								
Personal Protection	C								
<b>Product Class:</b> Lithographic Fount Additive	<b>Manufacturer's code:</b> S-1822								
<b>Trade Name:</b> Fount Additive									

**II. COMPOSITION / INGREDIENTS**

Material	CAS #	%	Exposure Limits	Units
Butyl Oxitol	111-76-2	1 - 5	ACGIH TWA/ TLV	25 ppm
			ACGIH STEL / TLV	75 ppm
			OSHA TWA / PEL	25 ppm
Glycol Ether PnB	5131-66-8	1 – 5	NE	
Citric Acid	77-92-9	10 – 30	NE	

NE = Not Established

**III. HEALTH HAZARD INFORMATION**

<b>Effects of Overexposure</b>
<b>Inhalation:</b> Inhalation of excessive concentrations of vapors or mists may cause irritation of nose and throat, drowsiness, loss of coordination, headaches and fatigue. Acute overexposure may result in irritation of the throat and lungs.
<b>Warning:</b> Reports have 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.
<b>Skin Contact:</b> Avoid skin contact. This product causes skin irritation. One or more components of this material are a skin irritant. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, and reddening. This product may be absorbed through the skin. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.
<b>Eye Contact:</b> 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.
<b>Ingestion:</b> Do not ingest. Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts can be harmful. May aggravate pre-existing kidney and liver disorders. May aggravate existing kidney disease. See <i>Notes to Physician</i> section below.

#### IV. FIRST AID PROCEDURES

Emergency & First Aid Procedures
<b>Eyes:</b> Immediately flush eyes with large amounts of water and continue flushing for 15 minutes. Seek immediate medical attention.
<b>Skin:</b> If this material comes in contact with skin, immediately flush affected area with soap and water. Remove contaminated clothing. Wash clothing before future reuse. If skin is damaged, apply dressing and seek immediate medical attention.
<b>Inhalation:</b> Inhalation of excessive concentrations of vapors or mists may cause irritation of nose and throat, drowsiness, loss of coordination, headaches and fatigue. Acute overexposure may result in irritation of the throat and lungs. If any of these symptoms occur, victim should seek air free of vapors. If breathing stops begin artificial respiration and seek immediate medical attention.
<b>Ingestion:</b> Do not induce vomiting. Obtain medical attention immediately. Wash mouth with water. If patient is fully conscious, give him two glasses of water or milk.
<b>Notes to Physician:</b> 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

<b>Flash Point °F:</b> >200 °F	<b>Auto-ignition Temperature °F:</b> No Data	
<b>Flammable Limits in Air</b>	<b>Lower Limit:</b> No Data	<b>Upper Limit:</b> No Data
<b>Extinguishing Media:</b> This product will not burn.		
<b>Special Fire Fighting Procedures:</b> This material will not burn.		
<b>Unusual Fire &amp; Explosion Hazard:</b> This material will not burn; the flashpoint is above 200 °F.		

#### VI. ACCIDENTAL RELEASE

<b>Steps to be taken in event of spill or release:</b> Stop and or contain discharge. Ventilate spill area. Cover with absorbent material. Keep out of waterways, drains and sewers.
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#### VII. HANDLING AND STORAGE

<b>Handling and Storage:</b> Use and store this material in a well-ventilated area. Keep containers closed when not in use. Do not store with excessive hot or cold temperatures. Use protective gloves when handling. 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.
<b>Other Precautions:</b> For industrial use only. Do not ingest. Consumption of food and beverages should be avoided in work areas.

#### VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Ventilation Requirements:</b> General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time- weighted TLV ranges. Adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specific time- weighted TLV range exposure or limits.
<b>Personal Protective Equipment</b>
<b>Respirator:</b> 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.
<b>Skin:</b> The use of gloves which are impermeable to the specific material handled is advised to prevent skin irritation and absorption.
<b>Eye:</b> 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 shield or splash-proof safety glasses or goggles.

### IX. PHYSICAL AND CHEMICAL DATA

<b>Boiling Point °F:</b> >200 °F	<b>Vapor Density (Air = 1):</b> > 1
<b>Relative Density (H<sub>2</sub>O = 1):</b> 1.194	<b>Vapor Pressure (mm Hg @ 68F):</b> N/A
<b>Material Density Lbs./Gal:</b> 9.94	<b>Solubility in Water:</b> Soluble
<b>% Volatiles by Weight:</b> 2.0	<b>Evaporation Rate:</b> < Water <b>pH:</b> 2.0 ± / -0.2
<b>VOC: lbs/gal:</b> 0.2 <b>Method 24 g/L:</b> 23.9	<b>Appearance/Odor:</b> Glycolic / Dark Liquid

### X. STABILITY AND REACTIVITY INFORMATION

<b>Stability (Thermal, Light, etc.):</b> Stable	<b>Conditions to avoid:</b> Excessive hot or cold temperatures.
<b>Hazardous Polymerization:</b> Will not occur.	<b>Materials to avoid:</b> Strong Acids
<b>Hazardous Decomposition Products:</b> None Known	

### XI. TOXICOLOGICAL INFORMATION

<b>CARCINOGEN:</b> 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).	
<b>Mutagen:</b>	No Data
<b>Teratogen:</b>	No Data
<b>Reproductive Toxicity:</b>	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, sewers or lakes.
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### XIII. DISPOSAL INFORMATION

<b>Waste Disposal Method:</b> 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. As with all products DO Not allow to enter sewers, drains or waterways.
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### XIV. TRANSPORT INFORMATION

<b>Flammability Classification:</b>	Combustible
<b>OSHA:</b>	Class III B
<b>DOT Proper (Shipping Name (Ground)):</b>	Corrosive Liquid, Acidic, Organic, n.o.s. (Citric Acid)
<b>Class:</b>	8
<b>UN ID:</b>	UN3265
<b>Packing Group:</b>	PG II
<b>IMDG Proper Shipping Name (Sea):</b>	Corrosive Liquid, Acidic, Organic, n.o.s. (Citric Acid)
<b>Class:</b>	8
<b>UN ID:</b>	UN3265
<b>Packing Group:</b>	PG II
<b>IATA Proper Shipping Name (Air):</b>	Corrosive Liquid, Acidic, Organic, n.o.s. (Citric Acid)
<b>Class:</b>	8
<b>UN ID:</b>	UN3265
<b>Packing Group:</b>	PG II
<b>TDG Proper Ship Name (Ground):</b>	Corrosive Liquid, Acidic, Organic, n.o.s. (Citric Acid)
<b>Class:</b>	8
<b>UN ID:</b>	UN3265
<b>Packing Group:</b>	PG II

## XV. REGULATORY INFORMATION

### **SARA Title III Section 313:**

This material contains a chemical(s) subject to the reporting requirements of the SARA Superfund Amendments and Reauthorization Act.

<u>Chemicals</u>	<u>CAS #</u>	<u>%</u>
Butyl Oxitol	111-76-2	1 - 5

### **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).

<u>Chemicals</u>	<u>CAS #</u>	
Chromium (III) Sulfate	10101-53-8	1,000 LBS.

### **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 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. do 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. make 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.

**C**

Safety Glasses  
Gloves  
Apron

