



GANS INK  
& SUPPLY CO.

## Safety Data Sheet

In compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200)

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### SECTION 1: IDENTIFICATION

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**SDS Number:** S-1807, version 5/11/2016

**(a) Product identifier**

**Gans Item ID:** S-1807, S-1807D, S-1807G, S-1807P, S-1807Q, S-1807T

**Gans Description:** Gans Diamond Etch AWFS

**(b) Other means of identification**

**General description:** Lithographic press fountain solution concentrate

**(c) Recommended use**

**Product Use:** Industrial use only

**Restrictions on use:** Not for residential use.

**(d) Supplier's details**

**Manufacturer:** Gans Ink and Supply Co, Inc.

**Address:** 1441 Boyd Street  
Los Angeles, CA 90033

**Contact Person:** Marco Ramos

**Telephone:** 323- 264-2200 x139

**Email:** [MSDS@gansink.com](mailto:MSDS@gansink.com)

**(e) Emergency telephone number:**

Available only during business hours.

(323) 264-2200 Monday- Friday 7:00 A.M.– 9:00 P.M.

24 Hours Response: Los Angeles County Fire Department / HazMat. Department

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### SECTION 2: HAZARD(S) IDENTIFICATION

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**(a) Classification**

- This mixture is hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Physical hazards:** Not Classified
- **Health hazards:**
  - Skin Irritation – Category 2
  - Eye Damage/Irritation – Category 2A

**(b) Label elements**

**Signal Word:** Warning

**Hazard Statements:** Causes skin irritation. Causes serious eye irritation.

**Precautionary Statements:**

Prevention:

Wash contaminated areas thoroughly after handling. Wear protective gloves. Wear eye protection/face protection.

Response:

IF ON SKIN (OR HAIR): Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Hazard Pictograms:**



**(c) Hazards not otherwise classified**

None known

**(d) Ingredients of unknown acute toxicity**

NA

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**SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS**

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**Substance / Mixture:** Mixture

TS = Trade Secret (as specified by substance manufacturer)

Substance	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
ethylene glycol	107-21-1	5.0%	10.0%
2-butoxyethanol	111-76-2	5.0%	10.0%
Ammonium nitrate	6484-52-2	1.0%	5.0%
Malic acid	6915-15-7	1.0%	5.0%
1-octyl-2-pyrrolidone	2687-94-7	1.0%	5.0%
Sodium xylenesulphonate	1300-72-7	1.0%	5.0%

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**SECTION 4: FIRST AID MEASURES**

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**(a) Description of first aid measures:**

**Inhalation:** If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact:** Wash with plenty of water and soap. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician.

**(b) Most important symptoms and effects, both acute and delayed:**

**Ingestion:** Not classified as hazardous

**Inhalation:** Not classified as hazardous.

**Skin contact:** Causes skin irritation.

**Eye contact:** Causes serious eye irritation.

**(c) Indication of any immediate medical attention and special treatment needed:**

Symptoms such as burning or pain to eyes or skin may indicate exposure and the need for first aid.

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**SECTION 5: FIRE – FIGHTING MEASURES**

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**(a) Extinguishing Media:**

**Suitable extinguishing media:** Use CO<sub>2</sub>, dry chemical, fire-fighting foam, or water fog extinguishing media

**Unsuitable extinguishing media:** Do not use water stream. Water stream or spray is OK to cool unopened containers only.

**(b) Special hazards arising from the substance or mixture:** Data not available

**(c) Special protective equipment and precautions for fire-fighters:** Wear NIOSH approved self-contained respiratory protective device, and fully protective fire-fighting suit.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**(a.i) Personal precautions:**

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

**(a.ii) Protective equipment:** Positive pressure, full-face, self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

**(a.iii) Emergency procedures:** If dangerous conditions exist, contact emergency response personnel, follow emergency procedures, and contact emergency response authorities.

**(b) Methods for containment and cleaning up:**

Dike and contain spill. For large spills remove by mechanical means and place in containers. Absorb residue or small spills with absorbent material and remove to non-leaking containers for disposal.

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**SECTION 7: HANDLING AND STORAGE**

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**(a) Precautions for safe handling:**

Wear protective gloves.

Wear eye protection or face protection.

Wash contaminated areas thoroughly after handling

**(b) Conditions for safe storage:**

Keep container tightly closed in a dry and well-ventilated place. Do not freeze. Ideal storage temperature is 50-90 °F (10-32 °C).

**Incompatibilities:** Keep away from strong oxidizing agents, and strongly acid or alkaline materials.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

(a) Exposure data		OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH 2015 TVL
Substance	CAS #	ppm	mg/m <sup>3</sup>	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
2-butoxyethanol	111-76-2	50	240	20 ppm	5ppm	20 ppm

No other hazardous ingredients appear on OSHA Annotated Tables Z-1, Z-2, or Z-3.

### **(b) Appropriate engineering controls:**

**Ventilation requirements:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

**General protective measures:** Ensure that eye flushing /eye wash stations, and hand washing areas are accessible.

**(c) Personal protective equipment:** Wear protective gloves. Wear eye protection/face protection.

**Inhalation:** Avoid breathing mist/ vapors/spray.

**Skin Contact:** Wear protective gloves. Recommended: Ansell Solvex Nitrile, or similar.

**Eye Contact:** Wear eye protection/face protection. Eye and face protective devices must comply with ANSI Z87.1-1989. Recommended eye protection: Safety glasses with side-shields; Safety goggles.

**Ingestion:** Avoid eating, drinking, or smoking in work area and wash hands after handling this product.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**(a) Appearance (physical state, color):** Liquid, green color

**(b) Odor:** slightly sweet

**(c) Odor threshold:** Data not available

**(d) pH:** 3.5 – 4.5

**(e) Melting point/ freezing point:** Data not available

**(f) Initial Boiling point / Range:** > 200° F (> 93.3° C)

**(g) Flashpoint:** > 200° F (> 93.3° C)

**(h) Evaporation Rate:** Data not available

**(i) Flammability (solid/ gas):** Data not available

**(j) Upper/ lower flammability explosion limits:** Data not available

**(k) Vapor Pressure (mm Hg @ 68°F):** Data not available

**(l) Vapor Density (Air = 1):** Data not available

**(m) Relative Density (H<sub>2</sub>O = 1):** 1.056

**(n) Solubility:** Miscible with water

**(o) Partition coefficient n- Octanol/ Water:** Data not available

**(p) Auto-ignition temperature:** Data not available

**(q) Decomposition temperature:** Data not available

**(r) Viscosity:** < 14 mm<sup>2</sup>/s @ 104 °F (40 °C)

**Other properties**

VOC % (wt.): 24.2

VOC: 2.13 lbs./gal; 256 g/L

This product must be diluted before application (5 oz./gal.). Please see the product label for instructions.

VOC as applied to image plate: 0.95% (wt.); 0.08 lbs./gal; 10.0 g/L

**SECTION 10: STABILITY AND REACTIVITY INFORMATION****(a) Reactivity:** Not reactive under normal storage conditions. See Section 7.**(b) Chemical stability:** Mixture is chemically stable under normal storage and handling conditions, and under normal temperatures and pressures.**(c) Possibility of hazardous reactions:** Strong acids and bases**(d) Conditions to avoid:** Keep away from open flames, sparks, hot surfaces and sources of ignition.**(e) Incompatible materials:** Strong oxidizers, strong acids and bases**(f) Hazardous decomposition product:** Data not available**SECTION 11: TOXICOLOGICAL INFORMATION****(a) Likely routes of exposure:** Skin contact, eye contact, inhalation, ingestion.**(b) Symptoms related to physical, chemical, and toxicological characteristics:****Skin contact:** There may be irritation and redness at site of contact.**Eye contact:** There may be irritation and redness. Eyes may water profusely.**Inhalation:** Data not available**Ingestion:** Data not available**(c) Delayed and immediate effects, and chronic effects from long-term exposure**

- Data not available

**(d) Numerical measures of toxicity, acute:**

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
ethylene glycol	107-21-1	LD50 7712 mg/kg bw (rat)	LC50 (6 h) 2.5 mg/L air (rat)	LD50 3500 mg/kg bw (mouse)
2- butoxyethanol	111-76-2	LD50 1414 mg/kg bw (guinea pig)	LC0 (7 h) 400 ppm (guinea pig)	LD0 2000 mg/kg bw (guinea pig)
Ammonium nitrate	6484-52-2	LD50 2 950 mg/kg bw (rat)	Data not available	Data not available
Malic acid	6915-15-7	LD50 3 500 mg/kg bw (rat)	LC50 (4 h) 1.306 mg/L air (rat)	LD50 20 000 mg/kg bw (rabbit)
1-octyl-2- pyrrolidone	2687-94-7	Data not available	Data not available	Data not available
Sodium xylenesulphon ate	1300-72-7	Data not available	Data not available	Data not available

**(e) Carcinogens information:****IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as Group 1 (Carcinogenic to humans), Group 2A (Probably carcinogenic to humans), or Group 2B (Possibly carcinogenic to humans) by IARC.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP (13<sup>th</sup> Report on Carcinogens).

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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## SECTION 12: ECOLOGICAL INFORMATION

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**(a) Ecotoxicity**

**Classification of mixture:** Not classified as hazardous

**(b) Persistence and degradability:** No data available

**(c) Bioaccumulative potential:** No data available.

**(d) Mobility in soil:** No data available

**(e) Other adverse effects:** No known adverse effects

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## SECTION 13: DISPOSAL CONSIDERATIONS

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Dispose of contents/container in accordance with local/regional/national regulations. The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

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## SECTION 14: TRANSPORT INFORMATION

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**US DOT (Ground):**

- (a) UN number:** Not regulated as a hazardous
- (b) UN Proper Shipping Name:** Not regulated as a hazardous
- (c) Transport hazard class:** Not regulated as a hazardous
- (d) Packing Group:** Not regulated as a hazardous
- (e) Environmental hazards:** Not regulated as a hazardous good
- (f) Transport in bulk**  
**MARPOL 73/78:** No data available  
**IBC:** No data available.
- (g) Special Precautions:** None known

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## SECTION 15: REGULATORY INFORMATION

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**U.S. Federal Regulations**

**TSCA Section 8(b) Inventory Status:** All ingredients of this mixture are listed on the TSCA Inventory

**EPCRA, Section 302 – Extremely hazardous substances:** This mixture does not contain listed materials.

**CERCLA Hazardous Substances:**

- ethylene glycol CAS 107-21-1: RQ = 5000

**EPCRA Section 313 Toxic Chemicals:**

- ethylene glycol CAS 107-21-1

**CAA 112(r) Regulated Chemicals for Accidental Release Prevention:** This mixture does not contain listed materials.

**Hazardous Air Pollutants (HAP):**

## **U.S. State Regulations**

### **Pennsylvania Right to Know**

- ethylene glycol CAS 107-21-1
- 2-butoxyethanol CAS 111-76-2
- Ammonium nitrate CAS 6484-52-2

### **New Jersey Right to Know**

- ethylene glycol CAS 107-21-1
- 2-butoxyethanol CAS 111-76-2
- Ammonium nitrate CAS 6484-52-2

### **Oregon DEQ List of Air Toxic Contaminants:**

- ethylene glycol CAS 107-21-1, DEQ Sequence 234
- 2-butoxyethanol CAS 111-76-2, DEQ Sequence 267
- Ammonium nitrate CAS 6484-52-2, DEQ Sequence 28

**California Proposition 65:** WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm:

- ethylene glycol CAS 107-21-1

### **Canadian Environmental Protection Act:**

**WHMIS Classification:** No data available

**European Chemical Agency (ECHA):** No data available

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## **SECTION 16: OTHER INFORMATION**

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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.