



GANS INK
& SUPPLY CO.

Safety Data Sheet

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

SECTION 1: IDENTIFICATION

SDS Number: S-1810, version 5/25/2018

(a) Product identifier

Gans Item ID: S-1810, S-1810D, S-1810G, S-1810P, S-1810Q

Gans Description: Gans Diamond Etch PCEW

(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

(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

SECTION 2: HAZARD(S) IDENTIFICATION

(a) Classification

This mixture is hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Physical hazards: Flammable Liquid Category 4

Health hazards:

- Skin Irritation – Category 2
- Eye Damage/Irritation – Category 2A
- Sensitization, Skin – Category 1A

(b) Label elements

Signal Word: Warning

Hazard Statements: Combustible liquid; Causes skin irritation; May cause an allergic skin reaction; Causes serious eye irritation;

Precautionary Statements:

Prevention:

Keep away from flames and hot surfaces. – No smoking.

Wear protective gloves/eye protection/face protection. Avoid breathing fume/mist/ vapors/spray.

Wash contaminated areas thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response:

IN CASE OF FIRE: Use water spray to extinguish.

IF ON SKIN OR HAIR: Wash with plenty of water and mild 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.

If eye irritation persists: Get medical advice/attention.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container to disposal recycling center. Waste management should be in full compliance with federal, state and local laws.

Hazard Pictograms:



(c) Hazards not otherwise classified

None known

(d) Ingredients of unknown acute toxicity

None known

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

TS = Trade Secret (as specified by substance manufacturer)

Substance	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
2-butoxyethanol	111-76-2	10.0%	20.0%
Malic acid	6915-15-7	1.0%	5.0%
Antimicrobial blend	TS	1.0%	5.0%
Sodium nitrate	7631-99-4	1.0%	5.0%

SECTION 4: FIRST AID MEASURES

(a) Description of first aid measures:

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

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 mild 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. If eye irritation persists: Get medical advice/attention.

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

Ingestion: Data not available. Not classified as hazardous

Inhalation: Data not available. Not classified as hazardous

Skin contact: Causes skin irritation; May cause an allergic skin reaction

Eye contact: Causes serious eye irritation

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

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

SECTION 5: FIRE – FIGHTING MEASURES

(a) Extinguishing Media:

Suitable extinguishing media: Water spray, CO₂, dry chemical, or fire-fighting foam extinguishing media

Unsuitable extinguishing media: None known

(b) Special hazards arising from the substance or mixture: None known

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

(a.i) Personal precautions:

Keep away from flames and hot surfaces. – No smoking. Wear protective gloves/eye protection/face protection. Avoid breathing fume/mist/ vapors/spray.

(a.ii) Protective equipment: See Section 8 for details. Use personal protective equipment that is appropriate for the general industrial environment.

(a.iii) Emergency procedures: Follow emergency procedures that are appropriate for the general industrial environment.

(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.

SECTION 7: HANDLING AND STORAGE

(a) Precautions for safe handling:

Keep away from flames and hot surfaces. – No smoking. Wear protective gloves/eye protection/face protection. Avoid breathing fume/mist/ vapors/spray.

(b) Conditions for safe storage:

Store in a well-ventilated place. Keep cool. Do not allow product to freeze.

Incompatibilities: None known

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

(a) Permissible exposure limits		OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH 2015 TVL
Substance	CAS #	ppm	mg/m ³	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	5 ppm	20 ppm

No other hazardous ingredients in this mixture 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:

Inhalation: Avoid breathing fume/mist/ vapors/spray. Where fume/mist/ vapors/spray is present, an organic vapor full facepiece respirator is recommended (to protect eyes and face as well).

Skin Contact: Wear protective gloves. Contaminated work clothing must not be allowed out of the workplace. Ansell Chemical Resistance Guide, 8th Edition recommends the following glove materials for 2-butoxyethanol and mild acids: Sol-Vex, nitrile; 29-Series, unsupported neoprene.

Eye Contact: Wear eye protection, and face protection. Eye and face protective devices must comply with ANSI Z87.1-1989. Recommended eye protection: full face shield.

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, purple colored

(b) Odor: Mild ether odor

(c) Odor threshold: Data not available

(d) pH: 3.45

(e) Melting point/ freezing point; Data not available

(f) Initial Boiling point / Range: 212 °F (100 °C)

(g) Flashpoint: >142 °F (61.1 °C) (Tag Closed Cup Method)

(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):** <1.0
 (l) **Vapor Density (Air = 1):** Data not available
 (m) **Relative Density (H₂O = 1):** 1.08
 (n) **Solubility:** Complete solubility in 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:** Data not available

Other properties

VOC % (wt.): 19

VOC: 1.71 lbs./gal; 205 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:** No data available
 (d) **Conditions to avoid:** Keep away from open flames, sparks, hot surfaces and sources of ignition.
 (e) **Incompatible materials:** None known
 (f) **Hazardous decomposition product:** Thermal decomposition may yield carbon dioxide and/or carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

(a) Likely routes of exposure: Skin contact, eye contact, inhalation, and ingestion.

(b) Symptoms related to physical, chemical, and toxicological characteristics:

Skin contact: Causes skin irritation; May cause an allergic skin reaction

Eye contact: Causes serious eye irritation

Inhalation: Data not available. Not classified as hazardous

Ingestion: Data not available. Not classified as hazardous

(c) Delayed and immediate effects, and chronic effects from long-term exposure

Causes skin irritation; May cause an allergic skin reaction; Causes serious eye irritation

(d) Numerical measures of toxicity, acute:

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
2-butoxyethanol	111-76-2	LD50 1414 mg/kg bw (guinea pig)	LC50 (8 h) 800 ppm (rat)	LD50 2000 mg/kg bw (rat)
Malic acid	6915-15-7	LD50 3500 mg/kg bw (rat)	LC50 (4 h) 1.306 mg/L air (rat)	LD50 20,000 mg/kg bw (rabbit)
Antimicrobial blend	TS	Data not available	Data not available	Data not available
Sodium nitrate	7631-99-4	LD50 2000 mL/kg bw (rat)	Data not available	LD50 5000 mg/kg bw (rat)

(e) Carcinogens information:

IARC; Group 1 (Carcinogenic to humans), Group 2A (Probably carcinogenic to humans), or Group 2B (Possibly carcinogenic to humans) by IARC: This mixture does not contain listed materials.

NTP; 13th Report on Carcinogens: This mixture does not contain listed materials.
OSHA: This mixture does not contain listed materials.

SECTION 12: ECOLOGICAL INFORMATION

(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

SECTION 13: DISPOSAL CONSIDERATIONS

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.

SECTION 14: TRANSPORT INFORMATION

US DOT (Ground): Not regulated as a dangerous good

(a) UN number: Not regulated as a dangerous good

(b) UN Proper Shipping Name: Not regulated as a dangerous good

(c) Transport hazard class: Not regulated as a dangerous good

(d) Packing Group: Not regulated as a dangerous good

(e) Environmental hazards: Not regulated as a dangerous good

(f) Transport in bulk

MARPOL 73/78: Not regulated as a dangerous good

IBC: Not regulated as a dangerous good.

(g) Special Precautions: None known

SECTION 15: REGULATORY INFORMATION

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: This mixture does not contain listed materials.

EPCRA Section 313 Toxic Chemicals: This mixture does not contain listed materials.

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

Hazardous Air Pollutants (HAP): This mixture does not contain listed materials

U.S. State Regulations

California Proposition 65: This mixture does not contain listed materials.

New Jersey Right to Know:

- 2-butoxyethanol CAS 111-76-2

Pennsylvania Right to Know:

- 2-butoxyethanol CAS 111-76-2
- Sodium nitrate CAS 7631-99-4



HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZZARD	0

Canadian Environmental Protection Act:

WHMIS Classification: No data available

European Chemical Agency (ECHA)

Candidate List of Substances of Very High Concern (SoVHC): This mixture does not contain listed materials.

SECTION 16: 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.