



GANS INK
& SUPPLY CO.

Safety Data Sheet

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

SECTION 1: IDENTIFICATION

SDS Number: S-18020, version 1/18/2017

(a) Product identifier

Gans Item ID: S-1820, S-1820D, S-1820G, S-1820P, S-1820Q

Gans Description: Gans Diamond Sub

(b) Other means of identification

General description: Lithographic press fountain solution additive

(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:**
 - Not classified as hazardous
- **Health hazards:**
 - Eye Damage - Category 1
 - Skin Irritation – Category 2

(b) Label elements

Signal Word: Danger

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

Precautionary Statements:

Prevention: Wear eye protection/ face protection. Wear protective gloves. Wash skin thoroughly after handling.

Response:

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

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

IF INHALED: No data available

Storage: No data available

Disposal: No data available

Hazard Pictograms:



(c) Hazards not otherwise classified

None known

(d) Ingredients of unknown acute toxicity

NA

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. %)
1-butoxypropan-2-ol	5131-66-8	30	60
2-ethylhexane-1,3-diol	94-96-2	5	10

SECTION 4: FIRST AID MEASURES

(a) Description of first aid measures:

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

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

Inhalation: Remove person to fresh air and keep comfortable for breathing; Call a poison center, or doctor if you feel unwell.

Ingestion: Do NOT induce vomiting. Gently wipe or rinse the inside of the mouth with water. Obtain medical attention.

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

Eye contact: Causes serious eye damage.

Skin contact: Causes skin irritation.

Ingestion: Data not available.

Inhalation: Data not available.

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

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

SECTION 5: FIRE – FIGHTING MEASURES

(a) Extinguishing Media:

Suitable extinguishing media: Use CO₂, 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: Combustion will product carbon oxides.

(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:

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

(a.ii) Protective equipment: See Section 8

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

Do not touch or walk through spilled material. Isolate hazard area and keep unnecessary people away. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated

(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:

Wear protective gloves.

Wear eye protection.

Wash hands thoroughly after handling

Contaminated work clothing must not be allowed out of the workplace.

(b) Conditions for safe storage:

Store in a well-ventilated place. Keep cool. Keep container tightly closed.

Incompatibilities: Data not available.

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 ³	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
1-butoxypropan-2-ol	5131-66-8	Data not available	Data not available	Data not available	Data not available	Data not available
2-ethylhexane-1,3-diol	94-96-2	Data not available	Data not available	Data not available	Data not available	Data not available

(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 mist, vapors, spray.

Skin Contact: Wear protective gloves/protective clothing. Contaminated work clothing must not be allowed out of the workplace. Ansell Chemical Resistance Guide, 7th Edition recommends the following glove materials for Ethyl Glycol Ether/ 2-ethoxyethanol (similar to 1-butoxypropan-2-ol), and most alcohols: Laminate film, Barrier; Nitrile, Sol-Vex

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, clear and colorless

(b) Odor: Sweet

(c) Odor threshold: Data not available

(d) pH: 6.5-7.5

(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: Data not available

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

(m) Relative Density (H₂O = 1): .95 @ 68° F (20° C)

(n) Solubility: Data not available

- (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 mm²/s (104 °F (40 °C))

Other properties

VOC % (wt.): 69.5;
VOC (lbs./gal): 5.49
VOC (g/L): 660

This product must be diluted before application. Please see product label for instructions.
 VOC as applied to image plate: At 3 oz. / gal. water: **VOC= 1.5% (wt.) = 14.8 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:** No data available.
- (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, ingestion.

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

Eye contact: There may be irritation and redness. Eyes may water profusely.

Skin contact: There may be irritation or redness at site of contact.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Ingestion: There may be irritation and redness of the mouth and throat, and a feeling of illness.

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

Causes serious eye damage. Causes skin irritation.

(d) Numerical measures of toxicity, acute:

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
1-butoxypropan-2-ol	5131-66-8	LD50 3,300 mg/kg bw (rat)	LC50 (4 h) 651 ppm (rat)	LD50 2000 mg/kg bw (rat)
2-ethylhexane-1,3-diol	94-96-2	LD50 4636 - 9281 mg/kg bw (rat)	No data available	LD50 8960 – 10,251 mg/kg bw (rabbit)

(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 (13th 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.

SECTION 12: ECOLOGICAL INFORMATION

(a) Ecotoxicity

Classification of mixture: Not classified

(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: No data available

IBC: No data available.

(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

NFPA:

Health: 2

Flammability: 1

Instability: 1

U.S. State Regulations

Pennsylvania Right to Know: No data available.

New Jersey Right to Know: No data available.

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

Canadian Environmental Protection Act:

WHMIS Classification: No data available

European Chemical Agency (ECHA): No data available

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.