



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-1804, version 3/19/2018

**(a) Product identifier**

**Gans Item ID:** S-1804, S-1804D, S-1804G, S-1804P, S-1804Q

**Gans Description:** Gans Premium One-Step

**(b) Other means of identification**

**General description:** Lithographic 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:** Classified as Hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Physical hazards:**

- Flammable Liquids – Category 4

**Health hazards:**

- Acute Toxicity, Oral – Category 4
- Skin Irritation – Category 2
- Eye Damage/Irritation – Category 2A
- Sensitization, Skin – Category 1

**(b) Label elements**

**Signal Word:** Warning

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

**Precautionary Statements:** Keep away from flames and hot surfaces. – No smoking. Wear protective gloves/eye protection/face protection. Avoid breathing fume/mist/ vapors/spray. Wash all contaminated areas thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Do not eat, drink or smoke when using this product.

**Response:**

**IN CASE OF FIRE:** Use water spray or stream to extinguish.

**IF ON SKIN OR HAIR:** Wash with plenty of water and mild soap. If skin irritation or rash 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.

**IF SWALLOWED:** Call a poison center/doctor if you feel unwell. Rinse mouth.

**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:** NA

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

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Substance	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
2-butoxyethanol	111-76-2	30	50
Magnesium nitrate	13446-18-9	1	10
Sodium nitrate	7631-99-4	1	10
Proprietary antimicrobial blend	TS	1	10

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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 mild soap. If skin irritation or rash 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.

**Ingestion:** Call a poison center/doctor if you feel unwell. Rinse mouth. Do not induce vomiting. Only induce vomiting at the instruction of a physician.

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

**Ingestion:** Data not available.

**Inhalation:** Data not available.

**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:** Data not available.

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## SECTION 5: FIRE – FIGHTING MEASURES

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**(a) Extinguishing Media:**

**Suitable extinguishing media:** Use water spray or stream to extinguish.

**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.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**(a.i) Personal precautions:** Ensure adequate ventilation for general industrial environment.

**(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. Soak up with inert absorbent material (vermiculite, sand, ground clay, etc.).

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## SECTION 7: HANDLING AND STORAGE

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**(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. Wash all contaminated areas thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Do not eat, drink or smoke when using this product.

**(b) Conditions for safe storage:** Store in a well-ventilated place. Keep cool. Do not freeze. Ideal storage temperature is 50-100 °F (10-38 °C).

**Incompatibilities:** Keep away from oxidizing agents. Keep away from high heat, and freezing.

## 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 <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	15 ppm	150 ppm	Data not available

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

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

**Ventilation requirements:** Ensure adequate ventilation for general industrial environment.

**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 mist or aerosol is present, an organic vapor full facepiece respirator is recommended (to protect eyes and face as well).

**Skin Contact:** Wear protective gloves. Ansell Chemical Resistance Guide, 8<sup>th</sup> Edition recommends the following glove materials for similar polyol chemistries: Barrier, laminate film; Sol-Vex, nitrile; 29-Series, unsupported neoprene; PVA, supported polyvinyl alcohol.

**Eye Contact:** Wear eye protection/face protection that is appropriate for the general industrial environment. 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, blue colors

(b) **Odor:** Mild ether

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

(d) **pH:** 3.4

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

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

(g) **Flashpoint:** 155 °F (68 °C) Tag Closed Cup

(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:** <1.0

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

(m) **Relative Density (H<sub>2</sub>O = 1):** 1.04 (68 °F (20 °C))

(n) **Solubility:** Completely soluble 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.): 56

VOC: 4.85 (lbs./gal.); 582 g/L

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**SECTION 10: STABILITY AND REACTIVITY INFORMATION**

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(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 high heat, and freezing

(e) **Incompatible materials:** Strong oxidizers.

(f) **Hazardous decomposition product:** No data available

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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(a) **Likely routes of exposure:** Skin contact, eye contact, inhalation, 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:** Not classified as Hazardous

**Ingestion:** 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)
Magnesium nitrate	13446-18-9	LD50 2000 mg/kg bw (rat)	Data not available	LD50 5000 mg/kg bw (rat)
Sodium nitrate	7631-99-4	LD50 3430 mg/kg bw (rat)	Data not available	LD50 5000 mg/kg bw (rat)
Proprietary antimicrobial blend	TS	Data not available	Data not available	Data not available

**(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,** 13<sup>th</sup> Report on Carcinogens: This mixture does not contain listed materials.

**OSHA:** This mixture does not contain listed materials.

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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):** 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

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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:** 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

##### **Pennsylvania Right to Know:**

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

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

- 2-butoxyethanol CAS 111-76-2

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

- 2-butoxyethanol CAS 111-76-2

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

#### Canadian Environmental Protection Act:

**WHMIS Classification:** No data available

**European Chemical Agency (ECHA):** This mixture does not contain listed materials.

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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.