



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-1845, version 11/8/2018

**(a) Product identifier**

**Gans Item ID:** S-1845, S-1845D, S-1845G, S-1845P, S-1845Q

**Gans Description:** Gans UV 53 Low VOC Wash

**(b) Other means of identification**

**General description:** Lithographic press cleaning solvent

**(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 numbers:**

**Chemical spill or physical hazard:** Contact the Local Emergency Response Agency 9-1-1, or the Local Fire Department

**Ingestion or health hazard:** Contact the National Capital Poison Center, Poison Control: 800 222-1222; Poison.org

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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:**

- Flammable Liquid Category 2

**Health hazards:**

- Acute Toxicity, Oral – Category 4
- Acute Toxicity, Dermal – Category 4
- Acute Toxicity, Inhalation – Category 4
- Skin Irritation – Category 2
- Eye Damage/Irritation – Category 2A
- Germ Cell Mutagenicity – Category 1B

- Carcinogenicity – Category 1B
- Specific Target Organ Toxicity, central nervous system, Repeat Exposure – Category 1
- Aspiration Hazard – Category 1

**(b) Label elements**

**Signal Word:** Danger

**Hazard Statements:** Highly flammable liquid and vapor;

Harmful if swallowed; Harmful in contact with skin; Harmful if inhaled; Causes skin irritation; Causes serious eye irritation; May cause genetic defects; May cause cancer; Causes damage to organs <central nervous system> through prolonged or repeated exposure <<inhalation.>>; May be fatal if swallowed and enters airways;

**Precautionary Statements:**

Prevention: Keep away from heat/sparks/open flames/hot surfaces.– No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/ protective clothing/eye protection/face protection. Do not breathe fume/mist/ vapors/spray. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product.

Wash contaminated areas thoroughly after handling. Wash contaminated areas thoroughly after handling.

Response:

IN CASE OF FIRE: Use dry chemical, foam, or carbon dioxide to extinguish.

IF EXPOSED OR CONCERNED: Get medical advice/attention.

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

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

IF ON SKIN OR HAIR: Wash with plenty of water and mild soap. Take off immediately all contaminated clothing. Take off contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Call a poison center/doctor/if you feel unwell.

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 locked up. 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

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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)

<b>Substance</b>	<b>CAS # (TS = trade secret)</b>	<b>Conc. min. (wt. %)</b>	<b>Conc. max. (wt. %)</b>
2-butoxyethanol	111-76-2	27.6%	37.4%
Solvent naphtha (petroleum), light aliph.	64742-89-8	19.4%	26.2%
Solvent naphtha (petroleum), medium aliph.	64742-88-7	18.6%	25.2%
White mineral oil (petroleum)	8042-47-5	18.4%	24.9%

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**SECTION 4: FIRST AID MEASURES**

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

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

**Inhalation:** Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

**Skin contact:** Wash with plenty of water and mild soap. Take off immediately all contaminated clothing. Take off contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Call a poison center/doctor/if you feel unwell.

**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:** Harmful if swallowed; May cause genetic defects; May cause cancer; May be fatal if swallowed and enters airways;

**Inhalation:** Harmful if inhaled; Causes damage to organs <central nervous system> through prolonged or repeated exposure <<inhalation.>>; May be fatal if swallowed and enters airways;

**Skin contact:** Harmful in contact with skin; Causes skin irritation;

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

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

Symptoms such as loss of breath, and burning, pain, or irritation to lungs, 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 dry chemical, foam, or carbon dioxide to extinguish.

**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:** Vapor is heavier than air, spreads along the ground and distant ignition is possible.

**(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 breathing vapor. Avoid contact with skin, eye or clothing. Use explosion proof equipment. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

**(a.ii) Protective equipment:** See Section 8

**(a.iii) Emergency procedures:** Follow your company emergency response procedures.

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Release can cause fire/explosion. Liquids/vapors may ignite.

### **(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 heat/sparks/open flames/hot surfaces.– No smoking. Use explosion-proof electrical/ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/ protective clothing/eye protection/face protection. Do not breathe fume/mist/ vapors/spray. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product.

Wash contaminated areas thoroughly after handling. Wash contaminated areas thoroughly after handling.

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

Keep away from sparks, open flames – No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical, lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

**Incompatibilities:** Keep away from strong oxidizing agents.

## SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>(a) Permissible exposure limits</b>		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	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:** Use only outdoors or in a well-ventilated area. 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:** Do not breathe mist, vapors, spray. Use only outdoors or in a well-ventilated area. 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, and protective clothing. Contaminated work clothing must not be allowed out of the workplace. Ansell Chemical Resistance Guide, 8<sup>th</sup> Edition recommends the following glove materials for 2-butoxyethanol (butyl cellosolve): Barrier, laminate film; Sol-Vex, nitrile; 29-Series, unsupported neoprene; PVA, supported polyvinyl alcohol; Chemi-Pro, neoprene/natural rubber blend; Chemtek Butyl, unsupported butyl; Chemtek Viton/ Butyl, unsupported Viton/butyl

**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.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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- (a) **Appearance (physical state, color):** Liquid, clear
- (b) **Odor:** Organic solvent
- (c) **Odor threshold:** Data not available
- (d) **pH:** NA
- (e) **Melting point/ freezing point:** Data not available
- (f) **Initial Boiling point / Range:** Data not available
- (g) **Flashpoint:** 54 °F (12 °C) estimated
- (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):** .836
- (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:** Data not available

**Other properties**

**VOC % (wt.):** 77.3

**VOC:** 5.37 lbs./gal; 646 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:** Combustion reaction possible  
 (d) **Conditions to avoid:** Keep away from open flames, sparks, hot surfaces and sources of ignition.  
 (e) **Incompatible materials:** Strong oxidizers.  
 (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:** Harmful in contact with skin; Causes skin irritation;

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

**Inhalation:** Harmful if inhaled. May be fatal if swallowed and enters airways. Causes damage to organs <central nervous system> through prolonged or repeated exposure <<inhalation.>>;

**Ingestion:** May be fatal if swallowed and enters airways. May cause genetic defects; May cause cancer;

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

May cause genetic defects. May cause cancer. Causes damage to organs <central nervous system> through prolonged or repeated exposure <<inhalation.>>

**(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)
Solvent naphtha (petroleum), light aliph.	64742-89-8	LD50 5000 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rabbit)
Solvent naphtha (petroleum), medium aliph.	64742-88-7	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 5.28 mg/L air (rat)	LD50 2000 mg/kg bw (rabbit)
White mineral oil (petroleum)	8042-47-5	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 5 mg/L air (rat)	LD50 2000 mg/kg bw (rabbit)

**(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.

**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

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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:** UN1993  
(b) **UN Proper Shipping Name:** Flammable Liquid, N.O.S. (2-butoxyethanol)  
(c) **Transport hazard class:** 3  
(d) **Packing Group:** PG II  
(e) **Environmental hazards:** No data available  
(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 in this mixture are listed on the TSCA Chemical Inventory, or are not required to be listed.

**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

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

- 2-butoxyethanol CAS 111-76-2

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

- 2-butoxyethanol CAS 111-76-2

### Canadian Environmental Protection Act:

**WHMIS Classification:** No data available

### European Chemical Agency (ECHA)

**Candidate List of Substances of Very High Concern (SoVHC), including 27 June 2018 update:** 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.