



GANS INK
& SUPPLY CO.

Safety Data Sheet

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

SECTION 1: IDENTIFICATION

SDS Number: S-1639, version 12/3/2018

(a) Product identifier

Gans Item ID: S-1639, S-1639D, S-1639G, S-1639P, S-1639Q

Gans Description: Gans Uni-Wash 100

(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

(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

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 3

Health hazards:

- Skin Irritation - Category 2
- Eye Irritation - Category 2A
- Sensitization, Skin – Category 1B
- Germ Cell Mutagenicity – Category 1B
- Carcinogenicity – Category 1B
- Toxic to Reproduction – Category 2

- Specific Target Organ Toxicity, Single Exposure, Respiratory - Category 3
- Aspiration Hazard - Category 1
- Aquatic toxicity, Long Term - Category 3

Environmental hazards:

- Hazardous to the Aquatic Environment, Chronic – Category 2

(b) Label elements

Signal Word: Danger

Hazard Statements: Flammable liquid and vapor; Causes skin irritation; Causes serious eye irritation; May cause an allergic skin reaction; May cause genetic defects; May cause cancer; Suspected of damaging fertility or the unborn child; May cause respiratory irritation; May be fatal if swallowed and enters airways; Toxic to aquatic life with long lasting effects;

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. Avoid breathing fume/mist/ vapors/spray. Use only outdoors or in a well-ventilated area. Wash contaminated areas thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Avoid release to the environment.

Response:

IF EXPOSED OR CONCERNED: Get medical advice/attention.

IF SWALLOWED: Immediately call a poison center/doctor. Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

IF ON SKIN OR HAIR: Take off immediately all contaminated clothing. Rinse skin with water/shower. 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.

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

Storage: Store locked up. Store in a well-ventilated place. Keep cool. Keep container tightly closed.

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

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-chloro-4-(trifluoromethyl)benzene (PCBTF)	98-56-6	20.0	30.0
Octamethylcyclotetrasiloxane	556-67-2	10.0%	20.0%
Distillates (petroleum), hydrotreated middle	64742-46-7	10.0%	20.0%
Solvent naphtha (petroleum), light aromatic	64742-95-6	1.0	10.0
2-butoxyethanol	111-76-2	1.0	10.0

SECTION 4: FIRST AID MEASURES

(a) Description of first aid measures:

Ingestion: Immediately call a poison center/doctor. Do NOT induce vomiting.

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

Skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. 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: May cause genetic defects; May cause cancer; Suspected of damaging fertility or the unborn child; May be fatal if swallowed and enters airways;

Inhalation: May be fatal if swallowed and enters airways. May cause respiratory irritation.

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 loss of breath, and burning, pain, or irritation to lungs, eyes, or skin may indicate exposure and the need for first aid.

SECTION 5: FIRE – FIGHTING MEASURES

(a) Extinguishing Media:

Suitable extinguishing media: Use dry chemical, or foam 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: Vapors are heavier than air and may accumulate in low or inadequately ventilated areas. Vapors may travel along the ground to be ignited at locations distant from the handling site. Flashback or flame to the handling site may occur.

(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 heat/sparks/open flames/hot surfaces.– No smoking. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/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.

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

(a.iii) Emergency procedures: If dangerous conditions exist, contact emergency response personnel. Follow your company's emergency procedures.

(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. 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. Avoid breathing fume/mist/ vapors/spray. Use only outdoors or in a well-ventilated area. Wash contaminated areas thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Avoid release to the environment.

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

Incompatibilities: Keep away from strong acids and bases, and strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Substance	CAS #	OSHA PEL		Cal/OSHA PEL	NIOSH REL	ACGIH 2015 TVL
		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	24	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: Handle only in a place equipped with local exhaust (or other appropriate exhaust). Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ten or more room air changes per hour containing a minimum of 15% fresh air is recommended.

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).

Skin Contact: Wear protective gloves, and protective clothing. Contaminated work clothing must not be allowed out of the workplace. Ansell Chemical Resistance Guide, 8th Edition recommends the following glove material for Benzotrifluoride, and Trichlorotrifluoroethane (similar to halogenated major solvent PCBTF CAS 98-56-6 in this mixture): Sol-Vex Nitrile.

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, clear and colorless, to clear and slightly yellow/gold

(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: 360 °F to 680 °F (182 °C to 360 °C)

(g) Flashpoint: 125 °F (51.7 °C) 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 (mm Hg @ 68°F, 20 °C): < 0.1

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

(m) Relative Density (H₂O = 1): .965 @ 77 °F (25 °C)

(n) Solubility in water: 100% Miscible

(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.): 10.0

VOC (lbs./gal): .800

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: Strong oxidizers, acids, bases

(f) Hazardous decomposition product: Includes, but not limited to smoke, fumes, oxides of nitrogen, and oxides of carbon.

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: May cause respiratory irritation. May be fatal if swallowed and enters airways.

Ingestion: May be fatal if swallowed and enters airways; May cause genetic defects; May cause cancer; Suspected of damaging fertility or the unborn child;

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

No data available

(d) Numerical measures of toxicity, acute:

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
1-chloro-4-(trifluoromethyl) benzene	98-56-6	LD50 5546 - 7270 mg/kg bw (rat)	LC50 (4 h) 32.03 mg/L air (rat)	LD50 3300 mg/kg bw (rabbit)
Octamethylcyclotetrasiloxane	556-67-2	LD50 4800 mg/kg bw (rat)	LC50 (4 h) 36 mg/L air (rat)	LD50 2.5 mL/kg bw (rat)
Distillates (petroleum),...	64742-46-7	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 4.6 mg/L air (rat)	LD50 2000 mg/kg bw (rabbit)
Solvent naphtha (petroleum),...	64742-95-6	LD50 5000 mg/kg bw (rat)	No data available	LD50 2000 mg/kg bw (rabbit)
2-butoxyethanol	111-76-2	LD50 1414 mg/kg bw (guinea pig)	LC50 (4 h) 523 - 900 ppm (rat)	LD50 2000 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:

- Hazardous to the Aquatic Environment, Chronic – Category 2

(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.

RCRA: D001 (Ignitable Characteristic)

SECTION 14: TRANSPORT INFORMATION

US DOT (Ground):

- (a) **UN number:** UN1993
- (b) **UN Proper Shipping Name:** Flammable Liquid, N.O.S. (Parachlorobenzotrifluoride, 2-butoxyethanol) 3
- (c) **Transport hazard class:** Flammable Liquid, N.O.S. (Parachlorobenzotrifluoride, 2-butoxyethanol) 3
- (d) **Packing Group:** PG III
- (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

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): 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.