



GANS INK
& SUPPLY CO.

Safety Data Sheet

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

SECTION 1: IDENTIFICATION

SDS Number: S-1850, version 7/13/2018

(a) Product identifier

Gans Item ID: S-1850, S-1850D, S-1850G, S-1850P, S-1850Q

Gans Description: Gans Blanket Revive!

(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:

- Specific Target Organ Toxicity, Single Exposure, Respiratory - Category 3
- Aspiration Hazard - Category 1
- Skin Corrosion - Category 1B
- Eye Damage - Category 1
- Germ Cell Mutagenicity - Category 1B

- Carcinogenicity - Category 1B
- Reproductive Toxicity - Category 2
- Acute toxicity, Oral - Category 4
- Acute toxicity, Dermal – Category 4
- Acute aquatic toxicity - Category 3
- Chronic aquatic toxicity - Category 3

(b) Label elements

Signal Word: Danger

Hazard Statements: Flammable liquid and vapor; May cause respiratory irritation; May be fatal if swallowed and enters airways. Harmful if swallowed. May cause respiratory irritation. Causes severe skin burns and eye damage. Causes serious eye damage. Harmful in contact with skin. May cause genetic defects. May cause cancer. Harmful to aquatic life. May cause long lasting harmful effects to aquatic life.

Precautionary Statements:

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Wear protective gloves, protective clothing, eye protection, and face protection. Do not breathe mist, vapors, spray. Use only outdoors or in a well-ventilated area. Wash hands and all areas of contact thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment

Response:

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

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 contaminated clothing before reuse.

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

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

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. %)
Solvent naphtha (petroleum), light aromatic	64742-95-6	40.7	49.8
1-propoxypropan-2-ol	1569-01-3	22.7	27.7
1,2,4-trimethylbenzene	95-63-6	8.1	10.0
Mesitylene, 1,3,5-trimethylbenzene	108-67-8	6.1	7.5
1,2,3-trimethylbenzene	526-73-8	6.1	7.5
2-(diethylamino)ethanol	100-37-8	4.5	5.5
Cumene, isopropylbenzene	98-82-8	.8	1.0
meta-xylene	1330-20-7	.8	1.0

SECTION 4: FIRST AID MEASURES

(a) Description of first aid measures:

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

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 contaminated clothing before reuse.

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

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

Ingestion: May be fatal if swallowed and enters airways. Harmful if swallowed. Causes severe skin burns. May cause genetic defects. May cause cancer.

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

Skin contact: Harmful in contact with skin. Causes severe skin burns and eye damage.

Eye contact: Causes severe skin burns and eye damage. Causes serious eye damage.

(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 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: 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: Positive pressure, full-face, self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

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

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Release can cause fire/explosion. Liquids/vapors may ignite. Do not touch or walk through spilled material. Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. 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:

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

Incompatibilities: Keep away from strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

		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
Solvent naphtha (petroleum), light aromatic	64742-95-6	Data not available	Data not available	Data not available	Data not available	Data not available
1-propoxypropan-2-ol	1569-01-3	Data not available	Data not available	Data not available	Data not available	Data not available
1,2,4-trimethylbenzene	95-63-6	Data not available	Data not available	Data not available	25 ppm; 125 mg/m ³	Data not available
Mesitylene, 1,3,5-trimethylbenzene	108-67-8	Data not available	Data not available	Data not available	25 ppm; 125 mg/m ³	Data not available
1,2,3-trimethylbenzene	526-73-8	Data not available	Data not available	Data not available	25 ppm; 125 mg/m ³	Data not available
2-(diethylamino)ethanol	100-37-8	10	50	2 ppm	10 ppm	2 ppm
Cumene, isopropylbenzene	98-82-8	50	245	50 ppm	50 ppm	50 ppm
meta-xylene	1330-20-7	100	435	100 ppm	100 ppm	100 ppm

(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.

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, 7th Edition recommends the following glove materials for benzene, toluene, and xylenes (similar to aromatic hydrocarbons CAS#s 64742-95-6, 95-63-6, 108-67-8, 526-73-8, 98-82-8, and 1330-20-7, the majority ingredients of this mixture): Laminate film, Barrier; Supported Polyvinyl Alcohol, PVA.

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
(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:** 104 °F (40 °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 (mm Hg @ 68°F):** Data not available
(l) **Vapor Density (Air = 1):** Data not available
(m) **Relative Density (H₂O = 1):** .88
(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.): 100

VOC (lbs./gal): 7.32

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.
(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:**

Skin contact: Causes severe skin burns.

Eye contact: Causes severe eye damage.

Inhalation: May cause respiratory irritation. There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. May be fatal if swallowed and enters airways.

Ingestion: May be fatal if swallowed and enters airways.

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

May cause genetic defects. May cause cancer.

(d) Numerical measures of toxicity, acute:

Substance	CAS # (TS= trade secret)	Dermal	Oral	Inhalation
Solvent naphtha (petroleum), light aromatic	64742-95-6	LD50 2000 mg/kg bw (rabbit)	LD50 5000 mg/kg bw (rat)	No data available
1-propoxypropan-2-ol	1569-01-3	LD50 3775 - 4330 mg/kg bw (rabbit); LD50 4.29 - 4.92 mL/kg bw (rabbit)	LD50 2490 - 4330 mg/kg bw (rat); LD50 2.83 - 4.92 mL/kg bw (rat)	LC0 (4 h) 1725 ppm (rat)
1,2,4-trimethylbenzene	95-63-6	No data available	LD50 6000 mg/kg bw (rat)	LD50 6000 mg/kg bw (rat)
Mesitylene, 1,3,5-trimethylbenzene	108-67-8	LD50 4 mL/kg bw (rat)	LD50 6000 mg/kg bw (rat)	LC50 (4 h) 10.2 mg/L air (rat)
1,2,3-trimethylbenzene	526-73-8	No data available	No data available	No data available
2-(diethylamino) ethanol	100-37-8	LD50 885 mg/kg bw (guinea pig); LD50 1100 mg/kg bw (rabbit)	LD50 1320 mg/kg bw (rat)	LC50 (4 h) 4.6 mg/L air (rat)
Cumene, isopropylbenzene	98-82-8	LD50 3160 mg/kg bw (rabbit); LD0 10000 mg/kg bw (rabbit)	LD50 2260 - 2700 mg/kg bw (rat)	LC0 (6 h) 17.6 mg/L air (rat); LC0 (60 min) 22.1 mg/L air (rat); LC50 (7 h) 10 mg/L air (mouse); LC50 (7 h) 2 000 ppm (mouse)
meta-xylene	1330-20-7	LD50 12 126 mg/kg bw (rabbit); LD50 5 000 mL/kg bw (rabbit)	LD50 3523 - 4000 mg/kg bw (rat); LD50 5251 - 5627 mg/kg bw (mouse)	LC50 (4 h) 6350 - 6700 ppm (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.

- Cumene, isopropylbenzene 98-82-8 Group 2B (Possibly carcinogenic to humans)

NTP: 13th Report on Carcinogens:

- Cumene, isopropylbenzene 98-82-8

OSHA: No data available

SECTION 12: ECOLOGICAL INFORMATION

(a) Ecotoxicity**Classification of mixture:**

- Acute aquatic toxicity - Category 3
- Chronic aquatic toxicity - Category 3

(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 Codes

- Cumene, isopropylbenzene 98-82-8: U055
- meta-xylene 1330-20-7: U239

SECTION 14: TRANSPORT INFORMATION

US DOT (Ground):

(a) UN number: UN2924

(b) UN Proper Shipping Name: Flammable Liquid, Corrosive, N.O.S. (Solvent Naphtha Light Aromatic, Diethylethanolamine) 3

(c) Transport hazard class: Flammable Liquid, Corrosive, N.O.S. 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

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:

- isopropylbenzene 98-82-8: RQ = 5000
- meta-xylene: RQ = 100

EPCRA Section 313 Toxic Chemicals:

- 1,2,4-Trimethylbenzene 95-63-6
- isopropylbenzene 98-82-8
- meta-xylene 1330-20-7

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:

⚠ WARNING: This product can expose you to chemicals including isopropylbenzene, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov. Complete list:

- isopropylbenzene 98-82-8

Oregon DEQ List of Air Toxic Contaminants:

- 1-propoxypropan-2-ol 1569-01-3
- 1,2,4-trimethylbenzene 95-63-6
- Mesitylene, 1,3,5-trimethylbenzene 108-67-8
- 1,2,3-trimethylbenzene 526-73-8
- Cumene, isopropylbenzene 98-82-8
- meta-xylene 1330-20-7

Pennsylvania Right to Know

No data available

New Jersey Right to Know

No data available

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.