



GANS INK
& SUPPLY CO.

Safety Data Sheet

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

SECTION 1: IDENTIFICATION

SDS Number: S-1904, version 7/19/2018

(a) Product identifier

Gans Item ID: S-1904

Gans Description: Silicone Spray

(b) Other means of identification

General description: Industrial lubricant, spray applied

(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: Not classified as Hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Physical hazards:

- Flammable Aerosol – Category 1

Health hazards:

- Skin Irritation – Category 2
- Germ Cell Mutagenicity – Category 1B
- Carcinogenicity – Category -- 1B
- Toxic to Reproduction – Category 2
- Specific Target Organ Toxicity, Single Exposure (central nervous system, inhalation) – Category 3
- Specific Target Organ Toxicity, Repeat Exposure (neurologic, inhalation) – Category 2
- Aspiration Hazard – Category 1

Environmental hazards:

- Hazardous to the Aquatic Environment, Acute – Category 2
- Hazardous to the Aquatic Environment, Chronic – Category 2

(b) Label elements

Signal Word: Danger

Hazard Statements: Extremely flammable aerosol

Causes skin irritation; May cause genetic defects; May cause cancer; Suspected of damaging fertility or the unborn child; May cause drowsiness or dizziness; May cause damage to organs <neurological> through prolonged or repeated exposure <<inhalation>>
May be fatal if swallowed and enters airways;

Toxic to aquatic life; Toxic to aquatic life with long lasting effects;

Precautionary Statements:

Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

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.

Avoid release to the environment.

Response:

If exposed or concerned: Get medical advice/attention.

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

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

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 122 °F/ 50 °C.

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	CAS # (TS = trade secret)	Conc. min. (wt. %)	Conc. max. (wt. %)
Propane	74-98-6	40.0%	60.0%
Heptane, branched, cyclic and linear	426260-76-6	10.0%	20.0%
Solvent naphtha (petroleum), light aliph.	64742-89-8	10.0%	20.0%
Cyclohexane	110-82-7	2.5%	10.0%
Naphtha (petroleum), hydrotreated heavy	64742-48-9	2.5%	10.0%
Heptane	142-82-5	2.5%	10.0%
Toluene	108-88-3	2.5%	10.0%
N-hexane	110-54-3	0.1%	1.0%

SECTION 4: FIRST AID MEASURES

(a) Description of first aid measures:

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

Skin contact: 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.

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

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

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

Inhalation: May cause drowsiness or dizziness; May cause damage to organs <neurological> through prolonged or repeated exposure <<inhalation>>; May be fatal if swallowed and enters airways;

Skin contact: Causes skin irritation;

Eye contact: Data not available.

(c) Indication of any immediate medical attention and special treatment needed: Data not available.

SECTION 5: FIRE – FIGHTING MEASURES

(a) Extinguishing Media:

Suitable extinguishing media: Use CO₂, or extinguishing powder.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

(b) Special hazards arising from the substance or mixture: Contents under pressure. Pressurized container may explode when exposed to heat or flame.

(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: Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe fume/mist/vapors/spray.

(a.ii) Protective equipment: Wear protective gloves/protective clothing/eye protection/face protection. See Section 8 for details.

(a.iii) Emergency procedures: Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Isolate area until gas has dispersed. Prevent entry into waterways, sewer, basements or confined areas. Follow your company's emergency procedures.

(b) Methods for containment and cleaning up: Isolate area until gas has dispersed. Dike and contain spilled liquid, if present. Soak up with inert absorbent material.

SECTION 7: HANDLING AND STORAGE

(a) Precautions for safe handling: Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

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.

Avoid release to the environment.

(b) Conditions for safe storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 122 °F/ 50 °C.

Incompatibilities: Keep away from oxidizing agents. Keep away from high heat, and direct sunlight

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 ³	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
Propane	74-98-6	1000	1800	1000 ppm	1000 ppm	
Cyclohexane	110-82-7	300	1050	300 ppm	300 ppm	100 ppm
Heptane	142-82-5	500	2000	400 ppm (ST) 500 ppm	85 ppm (ST) 440 ppm [15-min]	400 ppm (ST) 500 ppm
Toluene	108-88-3	(C) 300 ppm	Data not available	10 ppm (ST) 150 ppm (C) 500 ppm	100 ppm (ST) 150 ppm	20 ppm
N-hexane	110-54-3	500	1800	50 ppm	50 ppm	50 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.

General protective measures: Ensure that eye flushing /eye wash stations, and hand washing areas are accessible.

(c) Personal protective equipment:

Inhalation: Do not breathe fume/mist/ vapors/spray. Use only outdoors or in a well-ventilated area. Where fume/mist/ vapors/spray 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. Ansell Chemical Resistance Guide, 8th Edition recommends the following glove materials for alkanes like n-heptane, n-hexane, cyclohexane: Sol-Vex, nitrile; 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

(a) Appearance (physical state, color): Gas or aerosol, colorless

(b) Odor: hydrocarbon

(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: - 156 °F (- 104 °C)

(h) Evaporation Rate: Data not available

(i) Flammability limits: lower: 1.3%, upper 7.2% estimated

(j) Explosion limits: Data not available

(k) Vapor Pressure: 75 psig @ 70 °F, estimated

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

(m) Relative Density (H₂O = 1): .63, estimated

(n) Solubility: Immiscible 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.): ~100

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 sources of ignition, high heat, and direct sunlight.

(e) Incompatible materials: Strong oxidizers.

(f) Hazardous decomposition product: Carbon oxides are the main combustion gases.

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 skin irritation;

Eye contact: Direct contact with eyes may cause temporary irritation.

Inhalation: May cause drowsiness or dizziness; May cause damage to organs <neurological> through prolonged or repeated exposure <<inhalation>>; May be fatal if swallowed and enters airways;

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

(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
Propane	74-98-6	Data not available	LC50 (15 min) 1442.738 - 1443 mg/L air (rat)	Data not available
Heptane,	426260-76-6	Data not available	Data not available	Data not available
Solvent naphtha	64742-89-8	LD50 5000 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rabbit)
Cyclohexane	110-82-7	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 32.88 mg/L air (rat)	LD50 2000 mg/kg bw (rabbit)
Naphtha (petroleum),	64742-48-9	LD50 5000 mg/kg bw (rat)	Data not available	LD50 2000 mg/kg bw (rabbit)
Heptane	142-82-5	LD50 5000 mg/kg bw (rat)	LC50 (4 h) 29.29 - 73.5 mg/L air (rat)	LD50 2000 mg/kg bw (rabbit)
Toluene	108-88-3	LD50 5580 mg/kg bw (rat)	LC50 (4 h) 25.7 - 30 mg/L air (rat)	LD50 5000 mg/kg bw (rabbit)
N-hexane	110-54-3	LD50 24 - 49 mL/kg bw (rat)	LC50 (24 h) 5000 ppm (rat)	LD50 5 mL/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, 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, Acute – Category 2
- 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 codes:

- Cyclohexane 110-82-7, U056
- Toluene 108-88-3, U220

SECTION 14: TRANSPORT INFORMATION

US DOT (Ground):

- (a) **UN number:** UN1950
- (b) **UN Proper Shipping Name:** Aerosol, flammable
- (c) **Transport hazard class:** 2.1
- (d) **Packing Group:** Not applicable
- (e) **Environmental hazards:** IMDG regulated marine pollutant
- (f) **Transport in bulk**
 MARPOL 73/78: Data not available
 IBC: Data not available
- (g) **Special Precautions:** Data not available

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:

- Cyclohexane 110-82-7, RQ = 1000
- Toluene 108-88-3, RQ = 1000
- N-hexane 110-54-3, RQ = 5000

EPCRA Section 313 Toxic Chemicals:

- Cyclohexane 110-82-7
- Toluene 108-88-3
- N-hexane 110-54-3

CAA 112(r) Regulated Chemicals for Accidental Release Prevention:

- Propane 74-98-6, TQ = 10,000

Hazardous Air Pollutants (HAP):

- Toluene 108-88-3

U.S. State Regulations

California Proposition 65:

⚠ WARNING: This product can expose you to chemicals including toluene, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. Complete list:

- Toluene 108-88-3

New Jersey Right to Know:

- Propane 74-98-6
- Cyclohexane 110-82-7
- Heptane 142-82-5
- Toluene 108-88-3
- N-hexane 110-54-3

Oregon DEQ List of Air Toxic Contaminants:

- Toluene 108-88-3

Pennsylvania Right to Know:

- Propane 74-98-6
- Cyclohexane 110-82-7
- Heptane 142-82-5
- Toluene 108-88-3
- N-hexane 110-54-3

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.