



GANS INK
& SUPPLY CO.

Safety Data Sheet

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

SECTION 1: IDENTIFICATION

SDS Number: S-1905, version 8/31/2016

(a) Product identifier

Gans Item ID: S-1905

Gans Description: Gans Anti-Static Spray

(b) Other means of identification

General description: Pressroom chemistry

(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 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

SECTION 2: HAZARD(S) IDENTIFICATION

(a) Classification: Classified as Hazardous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Physical hazards: Flammable aerosol – Category 1

Health hazards: Not Classified

(b) Label elements

Signal Word: Danger

Hazard Statements: Extremely flammable aerosol

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.

Response: NA

Storage: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal: NA

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. %)
Ethanol	64-17-5	60.0	80.0
1,1-difluoroethane	75-37-6	20.0	40.0

SECTION 4: FIRST AID MEASURES

(a) Description of first aid measures:

General: Call a poison center, or doctor if you feel unwell.

Inhalation: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing.

Skin contact: Gently wash with plenty of water and soap.

Eye contact: Rinse cautiously with water for several minutes. Get medical attention if irritation develops and persists.

Ingestion: Call a poison center, or doctor if you feel unwell.

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

Ingestion: Data not available.

Inhalation: Irritation of nose and throat. Coughing, headache

Skin contact: Skin irritation.

Eye contact: Irritation of eyes and mucous membranes.

(c) Indication of any immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically.

SECTION 5: FIRE – FIGHTING MEASURES

(a) Extinguishing Media:

Suitable extinguishing media: Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO₂).

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: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

(a.i) Personal precautions: Ensure adequate ventilation for general industrial environment. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas.

(a.ii) Protective equipment: Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (see Section 8).

(a.iii) Emergency procedures: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

(b) Methods for containment and cleaning up: Dike and contain spill. Soak up with inert absorbent material.

SECTION 7: HANDLING AND STORAGE

(a) Precautions for safe handling: Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

(b) Conditions for safe storage: Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS).

Incompatibilities: Avoid temperatures exceeding the flash point. Keep away from 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
Ethanol	64-17-5	1000	1900	1000	1000	(ST) 1000
1,1-difluoroethane	75-37-6	US. Workplace Environmental Exposure Level (WEEL): 2700 mg/m ³ , 1000 ppm				

(b) Appropriate engineering controls:

Ventilation requirements: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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

(c) Personal protective equipment:

Inhalation: If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Skin Contact: Ansell Chemical Resistance Guide, 7th Edition recommends the following glove materials for ethanol (64-17-5) and 1,1-difluoroethane (75-37-6): Sol-Vex Nitrile, and 29-865 Unsupported Neoprene.

Eye Contact: Wear safety glasses with side shields (or goggles).

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, colorless

(b) **Odor:** alcohol

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

(d) **pH:** Data not available

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

(f) **Initial Boiling point / Range:** Data not available

(g) **Flashpoint:** -58.0 °F (-50.0 °C) PROPELLANT estimated

(h) **Evaporation Rate:** Data not available

(i) **Flammability (solid/ gas):** Data not available

(j) **Upper/ lower flammability explosion limits:** Upper = 16.9% estimated; Lower = 4.2 % estimated

(k) **Vapor Pressure:** 41 psig @70F estimated

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

(m) **Relative Density (H₂O = 1): specific gravity = 0.812 estimated**

(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.): 80% maximum

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. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

(e) **Incompatible materials:** Strong oxidizing agents.

(f) **Hazardous decomposition product:** No hazardous decomposition products are known.

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: Not classified as Hazardous

Eye contact: Not classified as Hazardous. Direct contact with eyes may cause temporary irritation.

Inhalation: Not classified as Hazardous. Possible headache, coughing, and irritation of nose and throat.

Ingestion: Not classified as Hazardous

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

- Not classified as Hazardous

(d) Numerical measures of toxicity, acute:

Substance	CAS # (TS= trade secret)	Oral	Inhalation	Dermal
Ethanol	64-17-5	LD50 7, 800 – 22, 500 mL/kg bw (rat)	LC50 (4 h) 115.9 - 133.8 mg/L air (rat)	No data available
1,1-difluoroethane	75-37-6	No data available	No data available	No data 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.

- Ethanol (64-17-5) Group 1, ingested as beverage

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP (13th Report on Carcinogens).

OSHA: No data available

SECTION 12: ECOLOGICAL INFORMATION

(a) Ecotoxicity

Classification of mixture: Not classified

(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.

SECTION 14: TRANSPORT INFORMATION

US DOT (Ground): Not regulated as a dangerous good

(a) UN number: UN1950

(b) UN Proper Shipping Name: Aerosols, flammable, (each not exceeding 1 L capacity)

(c) Transport hazard class: 2.1

(d) Packing Group: Not applicable.

(e) Environmental hazards: Not regulated as a dangerous good

(f) Transport in bulk

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

(g) Special Precautions: Read safety instructions, SDS and emergency procedures before handling.

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: 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:

- 1,1-difluoroethane (75-37-6) TQ = 10,000

Hazardous Air Pollutants (HAP): This mixture does not contain listed materials

U.S. State Regulations

Pennsylvania Right to Know:

- Ethanol 64-17-5

New Jersey Right to Know:

- Ethanol 64-17-5
- 1,1-difluoroethane 75-37-6

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

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.