

This brief provides a general overview of the **Safety Data Sheet** requirements in the Hazard Communication Standard OSHA's 29 CFR 1910.1200(g) and Appendix D of 29 CFR 1910.1200).

### Section 1 ~ Identification

<b>Identity (As Used On Label and List)</b> <b>A1051 CLEAN AIR</b>	<b>Date Prepared:</b> 01/03/23
<b>Company Information:</b> OMEGA INDUSTRIAL SUPPLY, INC	<b>Emergency Telephone Number:</b> 1-800-424-9300
<b>Address (Number, Street, Suite/Apt#)</b> 1133 WEST 27 <sup>TH</sup> STREET	<b>Telephone Number for Information:</b> 1-800-571-7347
<b>(City, State, and Zip Code)</b> CHEYENNE, WY 82001	<b>Signature of Prepare (Optional)</b> REGULATORY DEPT.

### Section 2 ~ Hazard(s) Identification

#### Classifications

Flammable Aerosol: Category 1  
Gases Under Pressure: Liquefied Gas  
Simple Asphyxiant

#### Label Elements



**Signal Word: DANGER**

#### Hazard Statement

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation.

#### Precautionary Statement

Keep away from heat, sparks, open flames and 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. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.

#### Other Hazards

Vapors are heavier than air and can cause suffocation by reducing oxygen available for breathing. Misuse or intentional inhalation abuse may cause death without warning symptoms, due to cardiac effects. Rapid evaporation of the product may cause frostbite.

#### Unknown acute toxicity (GHS US)

N/A

### Section 3 ~ Composition/Information on Ingredients

<u>HAZARDOUS INGREDIENT</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>
1,1-Difluoroethane	75-37-6	80-100%

### Section 4 ~ First Aid Measures

**EYES:** Immediately flush with water for 15 minutes while holding eyelids open. Seek immediate medical attention.

**INGESTION:** Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists.

**INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration. Seek immediate medical attention.

**SKIN:** Thaw frosted skin with lukewarm water. Do not rub affected area. Get immediate medical attention.

**ACUTE HEALTH HAZARDS:** Prolonged contact with skin may cause irritation. Contact with eyes may cause irritation, redness, tearing. Inhalation of vapors may be narcotic or anesthetic.

**CHRONIC HEALTH HAZARDS:** None known.

**NOTE TO PHYSICIAN:** Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

### Section 5 ~ Firefighting Measures

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, alcohol foam, and water spray or fog.

**UNSUITABLE EXTINGUISHING MEDIA:** N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid contact with skin and breathing smoke, fumes and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** EXTREMELY FLAMMABLE. Contents under pressure. Exposure to temperatures above 120 °F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon, fluorinated hydrocarbons and hydrogen fluoride.

### Section 6 ~ Accidental Release Measures

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Product will normally evaporate rapidly, leaving no residue. Ventilate area, especially low places where heavy vapors might collect.

**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not puncture container. Wrap container and place in trash collection.

**RCRA STATUS:** Non-hazardous. This product vaporizes readily under standard atmospheric conditions.

### Section 7 ~ Handling and Storage

**HANDLING AND STORAGE:** Do not use or store near heat, open flames or other sources of ignition. Wear proper personal protective equipment when using this product. Avoid contact with eyes and skin. Do not inhale. Store in a cool, dry area. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use. Do not use or store with strong oxidizers.

**OTHER PRECAUTIONS:** Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

**INCOMPATIBILITY:** Oxidizing materials.

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## Section 8 ~ Exposure Controls/Personal Protection

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### HAZARDOUS INGREDIENT

1,1-Difluoroethane

### OSHA PEL

Not Established

### ACGIH TLV

Not Established

**ENGINEERING CONTROLS / VENTILATION:** General ventilation and local exhaust should be adequate.

**RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.

**PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses/goggles.

**ADDITIONAL MEASURES:** No smoking or open flames.

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## Section 9 ~ Physical and Chemical Properties

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**APPEARANCE:** Canister spray is not visible under standard conditions.

**ODOR:** Slight ether odor.

**ODOR THRESHOLD:** N/D

**pH:** N/A

**MELTING POINT/FREEZING POINT:** -179 °F (-117 °C).

**INITIAL BOILING POINT AND BOILING RANGE:** -12.5 °F (-24.7 °C).

**FLASH POINT:** Not applicable, as aerosol.

**EVAPORATION RATE:** N/A

**FLAMMABILITY(solid/gas):** Extremely Flammable Aerosol

### UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS

**LOWER FLAMMABILITY LIMIT:** 3.9% (V).

**UPPER FLAMMABILITY LIMIT:** 16.9% (V).

**EXPLOSIVE LIMIT LOWER (%):** N/D

**EXPLOSIVE LIMIT UPPER (%):** N/D

**VAPOR PRESSURE (mm Hg):** 5964.1 hPa @ 77 °F (25 °C).

**VAPOR DENSITY (AIR=1):** 2.4 (air = 1.0).

**RELATIVE DENSITY (H2O=1):** 0.90 g/cm<sup>3</sup> @ 77 °F (25 °C) as liquid.

**SOLUBILITY(IES):** 0.2 g/L @ 77 °F (25 °C).

**PARTITION COEFFICIENT: n-OCTANOL/WATER (KOW):** 0.053 @ 77 °F (25 °C).

**AUTOIGNITION TEMPERATURE:** 824 °F (440 °C).

**DECOMPOSITION TEMPERATURE:** N/D

**VISCOSITY:** N/D

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## Section 10 ~ Stability and Reactivity

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**REACTIVITY:** None known.

**CHEMICAL STABILITY:** Stable.

**POSSIBLE HAZARDOUS REACTIONS:** None known.

**CONDITIONS TO AVOID:** Temperatures greater than 122 °F and sources of ignition. Avoid incompatible materials.

**INCOMPATIBLE MATERIALS:** Oxidizing materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

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## Section 11 ~ Toxicological Information

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**TOXICOLOGICAL INFORMATION: 1,1-Difluoroethane (75-37-6):** LC50 (Inhalation, Rat, 4h) > 437500 ppm.

**ROUTES OF ENTRY:** Eyes, Inhalation, Skin

**EYES:** May cause irritation, redness.

**INGESTION:** Not a likely route of exposure under normal product handling conditions.

**INHALATION:** Inhalation of vapor may produce anesthetic effects and feeling of euphoria. Prolonged overexposure can cause rapid breathing, headache, dizziness, narcosis, unconsciousness, and death from asphyxiation depending upon concentration and time of exposure.

**SKIN:** Contact with evaporating liquid can cause frostbite.

**MEDICAL CONDITION AGGRAVATED:** Excessive exposure will aggravate respiratory, cardiovascular or pulmonary illnesses.

**ACUTE HEALTH HAZARDS:** Prolonged contact with skin may cause irritation. Contact with eyes may cause irritation, redness, tearing.

Inhalation of vapors may be narcotic or anesthetic.

**CHRONIC HEALTH HAZARDS:** None known.

**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

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## Section 12 ~ Ecological Information

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**ECOTOXICITY: 1,1-Difluoroethane (75-37-6):** LC50 (Fish, 96h) 295.78 mg/L; EC50 (Daphnia, 48h) 146.7 mg/L; EC50 (Algae, 96h) 47.76 mg/L.

**PERSISTENCE AND DEGRADABILITY:** Component or components of this product are not biodegradable.

**BIOACCUMULATIVE POTENTIAL:** This product is not expected to bioaccumulate.

**MOBILITY IN SOIL:** This product is mobile in soil.

**OTHER ADVERSE EFFECTS:** None known.

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## Section 13 ~ Disposal Considerations

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**WASTE DISPOSAL:** Dispose of in accordance with local, state and federal regulations. Do not puncture container. Wrap container and place in trash collection.

**RCRA STATUS:** Non-hazardous. This product vaporizes readily under standard atmospheric conditions.

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## Section 14 ~ Transportation Information

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**PROPER SHIPPING NAME:** Aerosols, Ltd. Qty.

**HAZARD CLASS/DIVISION:** 2.1

UN/NA NUMBER: UN1950  
PACKING GROUP: N/A

**AIR SHIPMENT**

PROPER SHIPPING NAME: Aerosols, flammable.  
HAZARD CLASS/DIVISION: 2.1  
UN/NA NUMBER: UN1950  
PACKING GROUP: N/A

**SHIPPING BY WATER:**

VESSEL (IMO/IMDG)  
PROPER SHIPPING NAME: Aerosols.  
HAZARD CLASS/DIVISION: 2.1  
UN/NA NUMBER: UN1950  
PACKING GROUP: N/A  
ENVIRONMENTAL HAZARDS WATER: N/A

**Section 15 ~ Regulatory Information**

TSCA STATUS: All chemicals are listed or exempt.  
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None.  
SARA 311/312 HAZARD CATEGORIES: Flammable (gases, aerosols, liquids, solids). Gas under pressure. Simple asphyxiant.  
SARA 313 REPORTABLE INGREDIENTS: This product does not contain any chemical components with known CAS numbers that exceed the threshold (de minimis) reporting levels established by SARA Title III, Section 313.  
CLEAN WATER ACT: None.  
STATE REGULATIONS: California Proposition 65: This product does not contain chemicals regulated by California Proposition 65.  
1,1-Difluoroethane (75-37-6): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, NJ, PA.  
INTERNATIONAL REGULATIONS: Listed or exempt from listing/notification on the following chemical inventories: Australian Inventory of Industrial Chemicals (AIIC, Australia); Domestic Substances List (DSL, Canada); Inventory of Existing Chemical Substances in China (IECSC, China); Existing and New Chemical Substances (ENCS, Japan); Korea Existing Chemicals List (KECL, Korea); New Zealand Inventory of Chemicals (NZIoC, New Zealand); Philippine Inventory of Chemicals and Chemical Substances (PICCS, Philippines); Taiwan Chemical Substance Inventory (TCSI, Taiwan).  
VOLATILE ORGANIC COMPOUNDS (VOC): 100%

**Section 16 ~ Other Information**

	NFPA	HMIS	Key
HEALTH	1	1	4= Severe
FLAMMABILITY	4	4	3= Serious
REACTIVITY	0	0	2= Moderate
OTHER	None		1= Slight
PROTECTIVE EQUIPMENT		A	0= Minimal

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End of Safety Data Sheet