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

Identity (As Used On Label and List)	**Date Prepared:**
A1051 CLEAN AIR	08-19-2015
Company Information:	**Emergency Telephone Number:**
OMEGA INDUSTRIAL SUPPLY, INC	1-800-424-9300
Address (Number, Street, Suite/Apt#)	**Telephone Number for Information:**
101 Grobric Ct #1	1-800-571-7347
(City, State, and Zip Code)	**Signature of Prepare (Optional)**
Fairfield, CA 94534	REGULATORY DEPT.

Section 2 ~ Hazard(s) Identification

Physical Hazards	Flammable aerosols	Category 1
Health Hazards	Not classified.	
Environmental Hazards	Not classified.	
OSHA Defined Hazards	Not classified.	

Label Elements 

Signal Word: Danger.

Hazard Statement Extremely flammable aerosol.

Precautionary Statement

Prevention	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	Wash hands after handling.
Storage	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not Otherwise Classified (HNOC) None known. ***Supplemental Information*** None

Section 3 ~ Composition/Information on Ingredients

Chemical Name	**Common Name & Synonyms**	**CAS No.**	**%(Wt.)**
1, 1-Diflouroethane		75-37-6	90 – 100

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4 ~ First Aid Measures

Inhalation: If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.
Skin Contact: Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye Contact: Rinse with water. Get medical attention if irritation develops and persists.
Ingestion: In the unlikely event of swallowing contact a physician or poison control center.
Most Important Symptoms/Effects, Acute and Delayed: Direct contact with eyes may cause temporary irritation.
Indication of Immediate Medical Attention and Special Treatment Needed: Provide general supportive measures and treat symptomatically.
General Information: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 ~ Fire Fighting Measures

Suitable Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from the Chemical: Contents under pressure. Pressurized container may explode when exposed to heat or flame.
Special Protective Equipment and Precautions for Firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
Fire-Fighting Equipment/Instructions: 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.
Specific Methods: Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. In the event of fire and/or explosion do not breathe fumes.
General Fire Hazards: Extremely flammable aerosol.

Section 6 ~ Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and Materials for Containment and Cleaning Up: Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Scoop up used absorbent into drums or other appropriate container. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental Precautions: Avoid discharge into drains, water courses or onto the ground.

Section 7 ~ Handling and Storage

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. Wear appropriate personal protective equipment. Avoid contact with eyes, skin, and clothing. Use only in well-ventilated areas. Observe good industrial hygiene practices. Level 1 Aerosol.
Conditions for Safe Storage, Including Any Incompatibilities: 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. Store in original tightly closed container. Refrigeration recommended. Keep out of the reach of children. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B)

Section 8 ~ Exposure Controls/Personal Protection

Occupational Exposure Limits:

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	***Type***	***Value***
1,1-Diflouroethane (76-37-6)	TWA	2700 mg/m3 1000 ppm

Biological Limit Values: No biological exposure limits noted for the ingredient(s).
Appropriate Engineering Controls: 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.

Individual Protection Measures, such as Personal Protective Equipment
Eye/Face Protection: Wear safety glasses with side shields (or goggles).
Hand Protection: For prolonged or repeated skin contact use suitable protective gloves.
Skin Protection
Other: Wear suitable protective clothing.
Respiratory Protection: If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.
Thermal Hazards: Wear appropriate thermal protective clothing, when necessary.
General Hygiene Considerations: When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9 ~ Physical and Chemical Properties

Appearance
Physical State: Liquid.
Form: Aerosol.
Color: Not available.
Odor: Not available.
Odor Threshold: Not available.
pH: Not available.
Melting Point/Freezing Point: Not available.
Initial Boiling Point and Boiling Range: Not available.
Flash Point: -58.0 °F (-50.0 °C) estimated
Evaporation Rate: Not available.
Flammability (solid, gas): Not available.
Upper/Lower Flammability or Explosive Limits
Flammability Limit – Lower (%): 3.9 % estimated
Flammability Limit – Upper (%): 16.9 % estimated
Explosive Limit - Lower (%): Not available.
Explosive Limit - Upper (%): Not available.
Vapor Pressure: 65 psig @70F estimated
165 psig @130F estimated
Vapor Density: Not available.
Relative Density: 0.91 g/cm3 estimated
Solubility(ies)
Solubility (water): Not available.
Partition Coefficient (n-octanol/water): Not available.
Auto-Ignition Temperature: 849 °F (453.89 °C) estimated
Decomposition Temperature: Not available.
Viscosity: Not available.
Other Information
Density: 0.91 g/cm3 estimated
Heat of Combustion: 6.3 kJ/g estimated
Heat of Combustion (NFPA 30B): 6.3 kJ/g estimated
Percent Volatile: 100 % estimated
Specific Gravity: 0.91 estimated

Section 10 ~ Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability: Material is stable under normal conditions.
Possibility of Hazardous Reactions: Hazardous polymerization does not occur.
Conditions to Avoid: Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: No hazardous decomposition products are known.

Section 11 ~ Toxicological Information

Information on Likely Routes of Exposure
Ingestion: Expected to be a low ingestion hazard.
Inhalation: No adverse effects due to inhalation are expected.
Skin Contact: No adverse effects due to skin contact are expected.
Eye Contact: Direct contact with eyes may cause temporary irritation.
Symptoms Related to the Physical, Chemical and Toxicological Characteristics: Direct contact with eyes may cause temporary irritation.
Information on Toxicological Effects
Acute Toxicity: Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Components	***Species***	***Test Results***
1,1-Diflouroethane (75-37-6)		
Acute		
Inhalation LC50	Rat	44 – 437500%, 4 Hours

* Estimates for product may be based on additional component data not shown.

Skin Corrosion/Irritation: Prolonged skin contact may cause temporary irritation.
Serious Eye Damage/Eye Irritation: Direct contact with eyes may cause temporary irritation.
Respiratory or Skin Sensitization
Respiratory Sensitization Not available.
Skin Sensitization: This product is not expected to cause skin sensitization.
Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.
Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.
Specific Target Organ Toxicity - Single Exposure: Not classified.
Specific Target Organ Toxicity - Repeated Exposure: Not classified.
Aspiration Hazard: Not likely, due to the form of the product.

Section 12 ~ Ecological Information

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and Degradability: No data is available on the degradability of this product.
Bioaccumulative Potential: No data available.
Partition coefficient n-octanol / water (log Kow)
1,1-Difluoroethane 0.75
Mobility in Soil: No data available.
Other Adverse Effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 ~ Disposal Considerations

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local Disposal Regulations: Dispose in accordance with all applicable regulations.
Hazardous Waste Code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from Residues / Unused Products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

Section 14 ~ Transportation Information

DOT	IATA	IMDG
UN Number: UN1950	**UN Number:** UN1950	**UN Number:** UN1950
UN Proper Shipping Name: Aerosols, non-flammable, (each not exceeding 1 L capacity)	**UN Proper Shipping Name:** Aerosols, non-flammable	**UN Proper Shipping Name:** AEROSOLS
Transport Hazard Class(es)	**Transport Hazard Class(es)**	**Transport Hazard Class(es)**
Class 2.2	**Class** 2.2	**Class** 2.2
Subsidiary Risk -	**Subsidiary Risk** -	**Subsidiary Risk** -
Label(s) 2.2	**Packing Group:** Not applicable.	**Label(s)** None
Packing Group: Not applicable.	**Environmental Hazards:** No.	**Packing Group:** Not applicable.
Packaging Exceptions: 306	**ERG Code:** 2L	**Environmental Hazards**
Packaging Non Bulk: None	**Passenger and Cargo Aircraft:** Allowed.	**Marine Pollutant:** No.
Packaging Bulk: None	**Other Information**	**EmS:** Not available.
	Cargo Aircraft Only: Allowed.	**Packaging Exceptions:** LTD QTY
	Packaging Exceptions: LTD QTY	**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

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.

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

DOT

IATA;IMDG

Section 15 ~ Regulatory Information

US Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4): Not listed.
SARA 304 Emergency release notification: Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.
Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard Categories Immediate Hazard – No Delayed Hazard – No
Fire Hazard – Yes Pressure Hazard – No
Reactivity Hazard – No
SARA 302 Extremely Hazardous Substance: Not listed.
SARA 311/312 Hazardous Chemical: No
SARA 313 (TRI reporting) Not regulated.
Other Federal Regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) 1,1-Difluoroethane (CAS 75-37-6)
Safe Drinking Water Act (SDWA): Not regulated.
US State Regulations
US. Massachusetts RTK - Substance List: 1,1-Difluoroethane (75-37-6)
US. New Jersey Worker and Community Right-to-Know Act: 1,1-Difluoroethane (75-37-6)
US. Pennsylvania Worker and Community Right-to-Know Law: Not listed.
US. Rhode Island RTK: 1,1-Difluoroethane (75-37-6)
US. California Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 ~ Other Information

	NFPA	HMIS
HEALTH	1	1
FLAMMABILITY	2	2
REACTIVITY	0	0
OTHER/PROTECTION	-	X

Key
4= Severe
3= Serious
2= Moderate
1= Slight
0= Minimal