




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) A1133 Numb Nuts	Date Prepared: 03-10-2016
Company Information: OMEGA INDUSTRIAL SUPPLY, INC	Emergency Telephone Number: 1-800-424-9300
Address (Number, Street, Suite/Apt#) 101 Grobrie Ct #1	Telephone Number for Information: 1-800-571-7347
(City, State, and Zip Code) Fairfield, CA 94534	Signature of Prepare (Optional) REGULATORY DEPT.

Section 2 ~ Hazard(s) Identification

<i>Emergency Overview</i>	Appearance: Aerosol containing a liquefied gas. Color: Colorless Odor: Solvent-like	GHS Classification:	Flammable Aerosols: Category 2 Gases Under Pressure: Liquefied gas Carcinogenicity: Category 2
<i>GHS Label Elements</i>		Signal Word:	Warning
<i>Hazard Pictogram:</i>	  		
<i>Hazard Statement</i>	H223 Flammable aerosol. H280 Contains gas under pressure; may explode if heated.		H351 Suspected of causing cancer.
<i>Precautionary Statement</i>			No smoking.
Prevention:	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat/sparks/open flames/hot surfaces.		P211 Do not spray on an open flame or other ignition source. P251 Pressurized container: Do not pierce or burn, even after use. P281 Use personal protective equipment as required.
Response:	P308 + P313 IF exposed or concerned: Get medical advice/ attention.		
Storage:	P405 Store locked up. P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.		
Disposal:	Dispose of contents/container in accordance with local regulation.		
<i>Potential Health Effects</i>	Carcinogenicity: IARC Group 2B: Possibly carcinogenic to humans 4-methylpentan-2-one 108-10-1 ACGIH: Confirmed animal carcinogen with unknown relevance to humans. 4-methylpentan-2-one 108-10-1 OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. 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.		

Section 3 ~ Composition/Information on Ingredients

Chemical Name	CAS No.	Concentration %
1, 1 - difluoroethane	75-37-6	> = 70 - < 90
4-methylpentan-2-one	108-10-1	>=1 - < 5
Oleic Acid	112-80-1	>=1 - < 5

Section 4 ~ First Aid Measures

General Advice: Do not leave the victim unattended. Move out of dangerous area. Show this safety data sheet to the doctor in attendance.

If Inhaled: If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

In Case of Skin Contact: If skin irritation persists, call a physician. Wash off immediately with plenty of water for at least 15 minutes. If on clothes, remove clothes.

In Case of Eye Contact: Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Rinse immediately with plenty of water for at least 15 minutes.

If Swallowed: Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. DO NOT induce vomiting unless directed to do so by a physician or poison control center.

Section 5 ~ Fire Fighting Measures

Suitable Extinguishing Media: Alcohol-resistant foam, Carbon dioxide (CO₂), Dry chemical, Water spray jet.

Unsuitable Extinguishing Media: High volume water jet.

Specific Hazards During Firefighting: Do not allow run-off from fire-fighting to enter drains or water courses.

Hazardous Combustion Products: Carbon dioxide (CO₂) Carbon monoxide Smoke Fluorine compounds

Specific Extinguishing Methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further Information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

Special Protective Equipment For Firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 ~ Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Remove all sources of ignition.

Environmental Precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods And Materials For Containment And Cleaning Up: Sweep up or vacuum up spillage and collect in suitable container for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Section 7 ~ Handling and Storage

Advice On Safe Handling: Do not breathe vapors or spray mist. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.

Conditions For Safe Storage: BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Keep in a dry place. Observe label precautions. Keep in a well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.

Materials To Avoid: Strong oxidizing agents. Store and keep away from bases and alkalis.

Section 8 ~ Exposure Controls/Personal Protection

Components With Workplace Control Parameters

Components	CAS – No	Value Type (Form of exposure)	Control parameters / Permissible concentration	Basis
1,1-difluoroethane	75-37-6	TWA	1,000 ppm	US WEEL
4-methylpentan-2-one	108-10-1	TWA	20 ppm	ACGIH
		STEL	75 ppm	ACGIH
		TWA	50 ppm	NIOSH REL
			205 mg/m3	
		ST	75 ppm	NIOSH REL
			300 mg/m3	
		TWA	100 ppm	OSHA Z-1
			410 mg/m3	
		TWA	50 ppm	OSHA P0
			205 mg/m3	
		STEL	75 ppm	OSHA P0
			300 mg/m3	

Biological Occupational Exposure Limits

Component	CAS – No	Control parameters	Biological specimen	Sampling time	Permissible Concentration	Basis
4-METHYLPENTAN-2-ONE	108-10-1	MIBK	Urine	End of shift (As soon as possible after exposure ceases)	1 mg/l	ACGIH BEI

Personal Protective Equipment

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand Protection Remarks: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye Protection: Safety glasses. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin And Body Protection: Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene Measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

Section 9 ~ Physical Chemical Properties

Boiling Point	No Data Available	Vapor Pressure	No Data Available
Vapor Pressure	No Data Available	Melting/Freezing Point	No Data Available
Relative Vapor Density	No Data Available	Evaporation Rate	No Data Available
Vapor Density	0.91 g/cm3	Flammability (solid, gas)	Flammable aerosol
Water Solubility	Negligible	pH	Not applicable
Solubility in other solvents	Not Determined	Partition coefficient: n-octanol/water	No Data Available
Appearance and Odor:	Colorless liquefied gas, Solvent like odor	Viscosity, kinematic	No Data Available
Flash Point:	No Data Available	Heat of Combustion	10.08 kJ/g
Auto - Ignition Temperature: not determined	Lower Explosive Limit: No Data Available	Upper Explosive Limit: No Data Available	

Section 10 ~ Stability and Reactivity

Reactivity: Stable

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: Vapors may form explosive mixture with air. No decomposition if stored and applied as directed.

Conditions to Avoid: Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatible Materials: Strong oxidizing agents. Bases. Alkaline earth metals.

Hazardous Decomposition Products: Carbon monoxide Carbon dioxide (CO2)

Section 11 ~ Toxicological Information

Acute Toxicity

Product

Acute Inhalation Toxicity Acute toxicity Estimate: > 10 mg/l Exposure Time: 4 h Test Atmosphere: Dust/mist Method: Calculation method.

Components

1,1- difluoroethane

Acute inhalation toxicity LC50 Mouse: 977,000 mg/l Exposure time: 2 h

Skin corrosion/irritation

Product

Remarks: May cause skin irritation and/or dermatitis.

Components

Oleic Acid:

Species: human skin Exposure time: 72 h Result: Mild skin irritation

Serious eye damage/eye irritation

Product

Remarks: May irritate eyes.

Respiratory or Skin Sensitization: No data available

Germ Cell Mutagenicity: No data available

Carcinogenicity: No data available

Reproductive Toxicity: No data available

1,1-difluoroethane:

4-methylpentan-2-one:

oleic acid:

STOT - Single Exposure: No data available

STOT - Repeated Exposure: No data available

Aspiration Toxicity: No data available

Further information

Product

Remarks: No data available

Section 12 ~ Ecological Information

Ecotoxicity: No data available

Persistence and Degradability: No data available

Bioaccumulative Potential

Product:

Partition coefficient: n-octanol/water: Remarks: No data available

Mobility in Soil: No data available

Other Adverse Effects: No data available

Product:

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional Ecological Information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life with long lasting effects.

Section 13 ~ Disposal Considerations**Disposal Methods**

Waste From Residues: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Do not dispose of waste into sewer.

Contaminated Packaging: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

Section 14 ~ Transport Information

Transportation Regulation: 49 CFR (USA): ORM-D, CONSUMER COMMODITY

Transportation Regulation: IMDG (Vessel): UN1950, AEROSOLS, FLAMMABLE, 2.1, - Limited quantity

Transportation Regulation: IATA (Cargo Air): UN1950, AEROSOLS, FLAMMABLE, 2.1, - Limited quantity

Transportation Regulation: IATA (Passenger Air): UN1950, AEROSOLS, FLAMMABLE, 2.1, - Limited quantity

Transportation Regulation: TDG (Canada): UN1950, AEROSOLS, FLAMMABLE, 2.1, - Limited quantity

Section 15 ~ Regulatory Information

EPCRA - Emergency Planning and Community Right-to-Know Act

CERLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
4-methylpentan-2-one	108-10-1	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: Sudden Release of Pressure Hazard. Fire Hazard. Chronic Health Hazard.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: The following components are subject to reporting levels established by SARA Title III, Section 313:

4-methylpentan-2-one 108-10-1 4.776 %

California Prop 65: WARNING! This product contains a chemical known to the State of California to cause cancer.

4-methylpentan-2-one 108-10-1

The components of this product are reported in the following inventories:

TSCA On TSCA Inventory.

DSL All components of this product are on the Canadian DSL.

AICS On the inventory, or in compliance with the inventory.

NZIoC Not in compliance with the inventory.

PICCS On the inventory, or in compliance with the inventory.

IECSC On the inventory, or in compliance with the inventory.

Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

Section 16 ~ Other Information

Revision Date 03-10-2016

	NFPA	HMIS	Key
HEALTH	3	3*	4= Severe
FLAMMABILITY	3	3	3= Serious
REACTIVITY	0	2	2= Moderate
OTHER/PROTECTION	-	-	1= Slight
			0= Minimal

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