



Safety Data Sheet

IDQ Operating, Inc.
44 Old Ridgebury Road
Suite 300
Danbury, CT 06810
Tel. 1-203-205-2900

1. Product And Company Identification

Product Name: IDQ OE-1

Responsible Party: IDQ Operating, Inc.
44 Old Ridgebury Road
Suite 300
Danbury, CT 06810

Information Phone Number: +1 203-205-2900

Emergency Phone Number:

For Medical Emergencies, call 1-866-949-6465 / +1 303-389-1332 (Outside US and Canada)
For Transportation Emergencies, call 1-800-424-9300 (Chemtrec) +1-703-527-3887 for
Outside US and Canada (call collect)

SDS Date Of Preparation: 03/04/2016

Product Use and Uses Advised Against: Automotive maintenance product – For consumer and professional use

2. Hazards Identification

Note: This product is a consumer product and is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.

GHS Classification:

Table with 2 columns: Physical (Gases Under Pressure: Compressed Gas) and Health (Eye Irritant Category 2A)

GHS Label Elements:



Danger!

Table with 2 columns: Statements of Hazard and Precautionary phrases. Includes text about gas under pressure, eye irritation, and storage instructions.



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3. Composition/Information On Ingredients

Component	CAS No.	Amount
Difluoroethane	75-37-6	1-5%
2-Butoxyethanol	111-76-2	<3%
1-Dodecanol, Sulfate, Sodium Salt	151-21-3	<2%

The exact concentrations are a trade secret.

4. First Aid Measures

Inhalation: If symptoms of exposure develop, remove to fresh air. Seek medical attention if breathing problem or irritation persists.

Skin Contact: Wash exposed skin with soap and water. If skin irritation or redness develops, seek medical attention.

Eye Contact: Flush eyes with large amounts of water for at least 15 minutes. If irritation or other symptoms develop, seek medical attention.

Ingestion: Ingestion is an unlikely route exposure for aerosol products. If swallowed, seek medical advice.

Most Important Symptoms: Causes serious eye irritation. Mists may cause mild respiratory irritation. May cause mild skin irritation.

Indication of Immediate Medical Attention/Special Treatment: None known.

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use extinguishing media suitable for surrounding fire. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: Contents under pressure. Exposure of containers to heat and flames can cause them to rupture often with violent force. Burning may produce carbon dioxide, carbon monoxide, and other toxic fumes.

Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting cans.

6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Ventilate the area. Wear appropriate protective clothing and equipment.

Methods and Materials for Containment and Clean-Up: Place leaking can in a pail in a well-ventilated area until pressure has dissipated. Collect liquid using inert absorbents and place into a suitable container for disposal.



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Environmental Precautions: Report release as required by local and national regulations.

7. Handling and Storage

Precautions for Safe Handling: Avoid contact with eyes and skin. Avoid breathing aerosol or gas. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Contents under pressure, do not puncture or incinerate containers.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, well-ventilated area, away from incompatible materials. Do not store in direct sunlight or above 120°F/50°C. **U.F.C. (NFPA 30B) Level 1 Aerosol.**

8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
Difluoroethane	1000 ppm TWA AIHA WEELs
2-Butoxyethanol	20 ppm TWA ACGIH TLV 50 ppm TWA OSHA PEL (Skin)
1-Dodecanol, Sulfate, Sodium Salt	None established

Appropriate Engineering Controls: General ventilation should be adequate for normal use. For operations where the exposure limits may be exceeded, forced ventilation such as local exhaust may be needed to maintain exposures below applicable limits.

Personal Protective Equipment

Respiratory Protection: None under normal use conditions. For operations where the exposure limits may be exceeded, a NIOSH approved supplied air respirators recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134; all applicable laws and regulations; and good industrial hygiene practice.

Gloves: Wear impervious gloves to avoid skin contact.

Eye Protection: Safety glasses are recommended if eye contact is possible.

Other Protective Equipment/Clothing: None required.

9. Physical and Chemical Properties

Appearance and Odor: Liquid in aerosol can with mint odor.

Physical State: Liquid-based aerosol	Odor Threshold: Not available
pH: Not applicable	Specific Gravity: 0.98
Initial Boiling Point/Range: Not applicable	Vapor Pressure: Not determined
Melting/Freezing Point: Not determined	Vapor Density: (Air = 1) >1
Solubility In Water: Insoluble	Percent Volatile: Not determined
Viscosity: Not determined	Evaporation Rate:



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	Slower than ether
Decomposition Temperature: Not available	VOC Content: Not determined
Coefficient Of Water/Oil Distribution: Not determined	Autoignition Temp: Not applicable
Flash Point: Not determined	Flame extension: Not applicable
Flammability Limits: LEL: 3.7% (1,1-Difluoroethane) UEL: 18% (1,1-Difluoroethane)	Flammability (solid, gas): Not applicable

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Keep away from excessive heat, and open flames. Containers may rupture at temperatures > 120°F (48.8°C.)

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Burning may produce carbon dioxide, carbon monoxide, and other toxic fumes.

11. Toxicological Information

Potential Health Effects:

Acute Hazards:

Inhalation: Mist can irritate the throat and respiratory tract.

Skin Contact: May causes mild skin irritation.

Eye Contact: Causes serious eye irritation with redness, pain, and tearing.

Ingestion: Ingestion is an unlikely route exposure for aerosol products. Swallowing may cause gastrointestinal disturbances.

Chronic Effects: None expected.

Carcinogenicity Listing: None of the components listed at 0.1% or greater is a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

Numerical Measures of Toxicity:

1,1-difluoroethane:	LC50 Inhalation Rat: >437,500/4 hr.
2-butoxyethanol:	LD50 Oral Rat 1,746 mg/kg
	LD50 Dermal Rabbit > 2,000 mg/kg
	LC50 Inhalation Rat: 2.2 mg/L/4 hr.
1-Dodecanol, Sulfate, Sodium Salt:	LD50 Oral Rat 1,200 mg/kg
	LD50 Dermal Rat > 2,000 mg/kg

12. Ecological Information



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Ecotoxicity: No ecotoxicity data is currently available for product.

Persistence and Degradability: No data available for product.

Bio accumulative Potential: No data available for product.

Mobility in Soil: No data available for product.

Other Adverse Effects: None

13. Disposal Considerations

Dispose of in accordance with all local, state/provincial and federal regulations. Offer empty containers for recycling.

14. Transport Information

DOT Hazardous Materials Description: UN1950, Aerosols, Class 2.2, Ltd Qty

IMDG Hazardous Materials Description: UN1950, Aerosols, Class 2.2, Ltd Qty

15. Regulatory Information

United States:

EPA TSCA INVENTORY: All of the components of this material are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA Section 103: This product has no RQ. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Sudden Release of Pressure, Acute Health

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): 2-Butoxyethanol (as glycol ethers) CAS# 111-76-2 at < 3%

16. Other Information

NFPA Rating (NFPA 704): Health: 1 Fire: 0 Instability: 0
HMIS Rating: Health: 1 Fire: 0 Physical Hazard: 2

REVISION DATE: 03/04/2016

REVISION SUMMARY: New SDS.

PREVIOUS REVISION DATE: N/A

DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH