



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 PC-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: 07/31/2015

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 (Skin Irritant Category 2, Skin Sensitizer Category 1, Reproductive Toxicity Category 2)

GHS Label Elements:



Warning!

Table with 2 columns: Statements of Hazard (Contains gas under pressure; may explode if heated, Causes skin irritation, May cause an allergic skin reaction, Suspected of damaging fertility) and Precautionary phrases (Prevention: Obtain special instructions before use, Do not handle until all safety precautions have been read and understood, Wash thoroughly after handling, Avoid breathing mists or vapors)



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Response

IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical attention.
Take off contaminated clothing and wash it before reuse.
IF exposed or concerned: Get medical attention.

Storage

Store locked up.

Prevention continued

Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
Protect from sunlight. Do not exposure to temperatures exceeding 50°C / 122°F.

Disposal

Dispose of contents and container in accordance with local and national regulations.

3. Composition/Information On Ingredients

Component	CAS No.	Amount
1,1,1,2-tetrafluoroethane	811-97-2	30-70%
Polypropylene glycol blend	Proprietary	30-70%
Additive Package	Proprietary	30-70%
Phosphoric acid tricresyl ester	1330-78-5	<2%
7-oxabicyclo [4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate	2386-87-0	<1%

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 several minutes. If irritation or other symptoms develop, seek medical attention.

Ingestion: Ingestion is an unlikely route exposure for aerosol products. However if ingested, seek medical attention.

Most Important Symptoms: May cause mild eye irritation. Mists may cause mild respiratory irritation. Exposure to high concentrations can induce anesthetic effects progressing from dizziness, weakness, nausea, to unconsciousness. Causes skin irritation. May cause an allergic skin reaction in some individuals. Exposure to spray can cause freeze burns. Ingestion may cause gastro-intestinal upset. Suspected of damaging fertility.

Indication of Immediate Medical Attention/Special Treatment: Immediate medical attention should not be required.

5. Firefighting Measures

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



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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 alkyl low molecular weight components, organic chlorides, COx, SOx, NOx, POx, hydrochloric acid, hydrofluoric acid, and organic pyrolytic components.

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 residual liquid using inert absorbents and place into a suitable container for disposal.

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.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
1,1,1,2-tetrafluoroethane	1000 ppm TWA AIHA WEEL
Polypropylene glycol blend	None established
Additive Package	None established
Phosphoric acid tricresyl ester	None established
7-oxabicyclo[4.1.0]hept-3-ylmethyl 7-oxabicyclo[4.1.0]heptane-3-carboxylate	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



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contaminant type and concentration. Select in accordance with 29 CFR 1910.134; and 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: Light amber liquid in aerosol can with ethereal odor.

Physical State: Liquid-based aerosol	Odor Threshold: Not available
pH: < 7	Specific Gravity: 0.99
Initial Boiling Point/Range: -15.7 °F (<-26.5°C)	Vapor Pressure: Not determined
Melting/Freezing Point: -15.7 °F (<-26.5°C)	Vapor Density: Not determined
Solubility In Water: 0.05%	Percent Volatile: 33%
Viscosity: 66 CP @ 20° C	Evaporation Rate: (n-butyl acetate = 1.0) > 120
Decomposition Temperature: Not available	VOC Content: Not determined
Coefficient Of Water/Oil Distribution: Not determined	Autoignition Temp: Not determined
Flash Point: Non-Flammable * See Below	Flame extension: Not determined
Flammability Limits: LEL: Not determined UEL: Not determined	Flammability (solid, gas): Not applicable

* 345 °F (174°C) for liquid component.

10. Stability and Reactivity

Reactivity: Not normally reactive

Chemical Stability: Stable under normal storage and handling conditions

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 alkyl low molecular weight components, organic chlorides, COx, SOx, NOx, POx, hydrochloric acid, hydrofluoric acid, and organic pyrolytic components.

11. Toxicological Information

Potential Health Effects:

Acute Hazards:

Inhalation: Mist can irritate the throat and respiratory tract. Exposure to high concentrations can induce anesthetic effects progressing from dizziness, weakness, nausea, to unconsciousness.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction in some individuals. Exposure to spray can cause freeze burns.



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Eye Contact: Direct contact may cause mild eye irritation with redness, and tearing.

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

Chronic Effects: Contains components suspected of damaging fertility. Oral exposures are suspected of causing adverse testicular effects and lowered sperm count based on animal testing.

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

Numerical Measures of Toxicity:

Product ATE:	LD50 Oral 3,800 mg/kg LD50 Dermal >2,000 mg/kg
1,1,1,2-tetrafluoroethane:	LC50 Inhalation Rat: >500,000/4h
Polypropylene glycol blend:	LD50 Oral Rat 1,900 mg/kg.
Additive Package:	LD50 Oral Rat > 5,000 mg/kg LD50 Dermal Rabbit > 10,000 mg/kg
Phosphoric acid tricresyl ester:	LD50 Oral Rat > 2,000 mg/kg LD50 Dermal Rabbit 3,700 mg/kg LC50 Inhalation Rat >11.1 mg / L / 1 hr.
7-oxabicyclo [4.1.0] hept-3-ylmethyl 7-oxabicyclo [4.1.0] heptane-3-carboxylate:	LD50 Oral Rat > 5,000 mg/kg LD50 Dermal Rabbit >2,000 mg/kg LC50 Inhalation Rat >=5.19 mg / L / 4 hr.

12. Ecological Information

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. If released to soil, 1,1,1,2-tetrafluoroethane will rapidly volatilize from either moist or dry soil to the atmosphere. It will display moderate to high mobility in soil.

Other Adverse Effects: Products of decomposition will be highly dispersed and hence will have a very low concentration. It is not a significant contributor to photochemical smog and is not considered to be a VOC. It is not considered as an ozone depleting chemical.

13. Disposal Considerations

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

14. Transport Information



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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, however, oil spills must be reported to the National Response Center. 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, Chronic Health

SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372): None

16. Other Information

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

REVISION DATE: 07/31/2015

REVISION SUMMARY: New SDS

PREVIOUS REVISION DATE: N/A

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