

1. PRODUCT AND COMPANY IDENTIFICATION**PRODUCT DESCRIPTION:** Diamond Right Angle Spray**PRODUCT CODE:** DS1 1 Micron, Monocrystalline, Medium concentration, 5 oz aerosol can**MANUFACTURER**

Hudson Supply Company

4500 Lee Rd

Cleveland, OH 44128-2959

Customer Service: (800) 486-0480**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (U.S.):** (800) 424-9300**Emergency Phone:** (800) 424-9300**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>
1,1,1,2-Tetrafluoroethane	30 - 60	811-97-2
Hexylene Glycol	10 - 30	107-41-5
Isopropyl Alcohol	30 - 60	67-63-0

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):**EXPOSURE LIMITS**

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
1,1,1,2-Tetrafluoroethane	1000 ppm	1000 ppm	
Hexylene Glycol	25 ppm	25 ppm	
Isopropyl Alcohol	400 ppm	400 ppm	

3. HAZARDS IDENTIFICATION**POTENTIAL HEALTH EFFECTS****SKIN:** Short-term skin contact is not expected to be irritating.**INHALATION:** Temporary lung effects with cough, discomfort, difficulty or shortness of breath. May cause a tissue response in the lung (pneumoconiosis) if mists or dusty, dried particles are inhaled.**SIGNS AND SYMPTOMS OF OVEREXPOSURE****EYES:** Redness and possible itching and/or tearing of the eyes.**SKIN:** Redness and/or itching of the skin**INGESTION:** Possible nausea and/or vomiting.

INHALATION: Nasal and respiratory irritation, central nervous system depression (drowsiness, dizziness, headache). For propellant only: temporary alteration of the heart's electrical activity (irregular pulse, palpitations, inadequate circulation).

4. FIRST AID MEASURES

EYES: Flush with water, lifting upper and lower lids.

SKIN: Wash thoroughly with soap and water.

INGESTION: Induce vomiting and seek medical attention immediately.

INHALATION: Remove individual to fresh air. Keep person calm. If breathing is difficult, administer oxygen and get proper medical attention. Do not give epinephrine (adrenaline).

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Flammable

FLAMMABLE LIMITS: N/A to N/A

AUTOIGNITION TEMPERATURE: Not Applicable

EXPLOSION HAZARDS: Do not incinerate can. Do not expose to heat or flame

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Take up liquid on absorbent material and transfer to exhaust hood, allowing volatile portion to escape. Place absorbent material and residue into closed container for disposal.

LARGE SPILL: Take up liquid on absorbent material and transfer to exhaust hood, allowing volatile portion to escape. Place absorbent material and residue into closed container for disposal.

7. HANDLING AND STORAGE

HANDLING: Do not puncture can. Do not inhale or spray near eyes.

STORAGE: Store at room temperature.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide sufficient local exhaust and general ventilation to maintain exposure below PEL(s), especially for spraying operations which produce mists.

PERSONAL PROTECTION

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: To prevent any contact, wear impervious protective clothing such as neoprene or butyl rubber gloves, apron, boots or whole bodysuit, as appropriate.

RESPIRATORY: Use NIOSH/MSHA approved air supplied respirator in absence of proper environmental control.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Faint ethereal odor

PERCENT VOLATILE: 80

VAPOR DENSITY: Heavier

BOILING POINT: (-15°F)

SOLUBILITY IN WATER: Partially Soluble

SPECIFIC GRAVITY: .97

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

COMMENTS: Not Applicable

12. ECOLOGICAL INFORMATION

COMMENTS: Not Applicable

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: In compliance with Federal, State and local regulations for landfills.

14. TRANSPORT INFORMATION

COMMENTS: Not regulated as a hazardous material.

15. REGULATORY INFORMATION

GENERAL COMMENTS: Not Applicable

16. OTHER INFORMATION

APPROVED BY: David C. Dillon **TITLE:** Systems Administrator

APPROVAL DATE: 12/13/2002

REVISION SUMMARY Revision #: 1

This MSDS replaces the December 13, 2002 MSDS. Any changes in information are as follows:

In Section 16

NFPA Flammability NFPA Health NFPA Reactivity Manufacturer Disclaimer

NFPA CODES

FIRE: 3 HEALTH: 1 REACTIVITY: 0

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