

**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT DESCRIPTION:** Diamond Right Angle Spray**PRODUCT CODE:** DS9 9 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):**

<u>Chemical Name</u>	<u>EXPOSURE LIMITS</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**

**MANUFACTURER DISCLAIMER:** Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the product are therefore assumed by the user. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents. Appropriate warnings and safe handling procedures should be provided to handlers and users.