

# HUDSON

## MATERIAL SAFETY DATA SHEET

DATE PREPARED: 12/03/2002

MSDS No: DSU1

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT DESCRIPTION:** DSU1 1 micron (Monocrystalline) non-colored, 500ml bottle**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>
Ethylene Glycol	30 - 50	107-21-1
1,2,3- Propanetriol	1 - 10	56-81-5
Water	50 - 70	7732-16-5
Diamond	0.2 - 0.45	7782-40-1

**COMPONENTS :****EXPOSURE LIMITS**

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
Ethylene Glycol	50 ppm	50 ppm	
1,2,3- Propanetriol	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	
Water			
Diamond	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	

### 3. HAZARDS IDENTIFICATION

**POTENTIAL HEALTH EFFECTS****EYES:** May cause significant irritation to the eyes.**SKIN:** May cause significant irritation to the skin.**INGESTION:** Acute and Chronic: Nausea, vomiting, severe nervous system and kidney effects attention.**INHALATION:** May cause significant irritation to the lungs, upper respiratory tract and nose.**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:** Possible coughing, burning, tightness of chest and/or shortness of breath.

---

#### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for two to three minutes. Remove any contact lenses and continue flushing for 15 minutes. Get medical attention.

**SKIN:** Wash thoroughly with soap and water.

**INGESTION:** Induce vomiting and seek medical attention immediately.

**INHALATION:** Remove individual to fresh air.

---

#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** Not Applicable

**FLAMMABLE LIMITS:** N/A to N/A

**AUTOIGNITION TEMPERATURE:** Not Applicable

**EXTINGUISHING MEDIA:** Not Applicable

**EXPLOSION HAZARDS:** Not Applicable

**FIRE FIGHTING PROCEDURES:** Not Applicable

**AUTOIGNITION TEMPERATURE:** Not Applicable

---

#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Flush with water to chemical sewer.

**LARGE SPILL:** Flush with water to chemical sewer.

---

#### 7. HANDLING AND STORAGE

**HANDLING:** Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

**STORAGE:** No special storage methods are required.

---

#### 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.

**WORK HYGIENIC PRACTICES:** Avoid contact with eyes, skin and clothing. Avoid breathing dust or spray mist. Wash thoroughly after handling.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**APPEARANCE:** Cloudy liquid

**PERCENT VOLATILE:** 99

**BOILING POINT:** 100°C

**MELTING POINT:** Not Applicable

**SOLUBILITY IN WATER:** Soluble

**SPECIFIC GRAVITY:** Not Applicable

### COMMENTS:

**VAPOR PRESSURE:** Water

**VAPOR DENSITY:** NAIF

**EVAPORATION RATE:** Same as water.

---

## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**CONDITIONS TO AVOID:** Strong acids and bases

**POLYMERIZATION:** Will not occur

**HAZARDOUS DECOMPOSITION:** Oxides of Carbon.

---

## 11. TOXICOLOGICAL INFORMATION

**COMMENTS:** Not Applicable

---

## 12. ECOLOGICAL INFORMATION

**COMMENTS:** Not Applicable

---

---

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** Dispose of waste at an appropriate waste disposal facility according to current applicable laws and regulations. Do not pour liquid down drains or sewers.

**PRODUCT DISPOSAL:** Dispose of at a supervised incineration facility or an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.

---

**14. TRANSPORT INFORMATION**

**SPECIAL SHIPPING NOTES:** Not Applicable

---

**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**313 REPORTABLE INGREDIENTS:** Ethylene Glycol

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA STATUS:** Listed

---

**16. OTHER INFORMATION**

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

**APPROVAL DATE:** 12/03/2002

**REVISION SUMMARY** New MSDS

**NFPA CODES**

**FIRE:** 0    **HEALTH:** 2    **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.