

HUDSON

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 12/03/2002

MSDS No: DSU45

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: DSU45 45 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 ³	10 mg/m ³	
Water			
Diamond	10 mg/m ³	10 mg/m ³	

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.