

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 12/04/2002

MSDS No: 5DCP45M

1. PRODUCT AND COMPANY IDENTIFICATION**PRODUCT DESCRIPTION:** Diamond Compounds**PRODUCT CODE:** 5DCP45M- 45 micron (Polycrystalline), medium concentrate, 5 gram tube**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>
Polyalklene Glycol	60 - 65	9038-95-3
Ethoxylated Tall Oil	18 - 21	65071-95-6
Poly(oxy-1,2-ethanediyl), a-hydro-w-hydroxy-	1 - 3	25322-68-3
Silica, amorphous	7 - 10	7631-86-9
Diamond	5 - 10	7782-40-3

COMPONENTS :**EXPOSURE LIMITS**

<u>Chemical Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Supplier</u>
Polyalklene Glycol			
Ethoxylated Tall Oil			
Silica, amorphous	6 mg/m ³	10 mg/m ³	
Diamond	10	10	

3. HAZARDS IDENTIFICATION**POTENTIAL HEALTH EFFECTS****EYES:** May cause significant irritation to the eyes.**SKIN:** May cause significant irritation to the skin.**INGESTION:** May cause significant irritation to the digestive tract.**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: Wash out mouth with water and keep at rest. Seek immediate medical attention.

INHALATION: Remove from further exposure. Keep warm and at rest. If cough or other symptoms develop, seek medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 100°C Penskey-Marten CC

FLAMMABLE LIMITS: .5 to .5

EXTINGUISHING MEDIA: CO₂ or Dry chemical

EXPLOSION HAZARDS: None Expected.

FIRE FIGHTING PROCEDURES: None Expected.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: flush with water

LARGE SPILL: Sweep or vacuum spills into appropriate containers for disposal. Follow standard landfill methods consistent with applicable Federal, State and Local laws.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: When mist is generated, keep below recommended PEL/TLV levels, or use appropriate respirators. See OSHA 29 CFR 1910

HANDLING: Avoid open flame

STORAGE TEMPERATURE: 100°C maximum

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: Facilities storing or using this material should be equipped with an eyewash facility and a safety shower.

Good personal hygiene practices should always be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: White paste

ODOR: Mildly scented.

PERCENT VOLATILE: 80

VAPOR PRESSURE: Negligible

VAPOR DENSITY: Not Applicable

BOILING POINT: > 200°C

MELTING POINT: -50°C

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE: Not Applicable

SPECIFIC GRAVITY: 1.2

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Not Applicable

STABILITY: The product is stable under normal ambient conditions of temperature and pressure.

POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION: Oxides of Carbon.

INCOMPATIBLE MATERIALS: Strong bases

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.

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

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: 12/05/2002

REVISION SUMMARY New MSDS

NFPA CODES

FIRE: 1 **HEALTH:** 1 **REACTIVITY:** 0 **SPECIAL:** 1

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