

**MATERIAL SAFETY DATA SHEET**

DATE PREPARED: 12/04/2002

MSDS No: 18DC3M

**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT DESCRIPTION:** Diamond Compounds**PRODUCT CODE:** 18DC3M- 3 micron (Monocrystalline), medium concentrate, 18 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/m3	10 mg/m3	
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**

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**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.

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#### 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.

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#### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** 100°C Penskey-Marten CC

**FLAMMABLE LIMITS:** .5 to .5

**EXTINGUISHING MEDIA:** CO<sub>2</sub> or Dry chemical

**EXPLOSION HAZARDS:** None Expected.

**FIRE FIGHTING PROCEDURES:** None Expected.

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#### 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.

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#### 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

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#### 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.

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**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.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Yellow 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

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**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

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**11. TOXICOLOGICAL INFORMATION**

**COMMENTS:** Not Applicable

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12. ECOLOGICAL INFORMATION

**COMMENTS:** Not Applicable

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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.

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14. TRANSPORT INFORMATION

**COMMENTS:** Not regulated as a hazardous material.

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15. REGULATORY INFORMATION

**GENERAL COMMENTS:** Not Applicable

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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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