

MATERIAL SAFETY DATA SHEET

DIAMOND SCIENTIFIC, INC.
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SECTION I – IDENTIFICATION

Product Name : Reel Diamond
Revision Date : 8/05/02 Fire 0 Reactivity 0 Personal B
Chemical Name : Water Base Fire 0 Reactivity 0 Specific 0
 Lapping
 Vehicle
Chemical Family: Propylene Glycol
CAS# : 57-55-6 CAS# : 57-55-6
HMIS Code : Health 0 ACGIH TWA : None established
NFPA Code : Health 0 Other Limits :

SECTION II – HAZARDOUS INGREDIENTS, OSHA Floor List

Chemical Name : Silicon Carbide CAS 409-21-2
OSHA PEL : 15 mg/M³
Hazard % : 0-60%

Chemical Name : Propylene glycol CAS 57-55-6
OSHA PEL : None established
Hazard % : 15-50%

SECTION III - PHYSICAL AND HEALTH HAZARD DATA

Eye Contact : May cause moderate eye irritation. Symptoms include stinging, tearing, and redness.

Skin Contact : Prolonged or repeated exposure may cause slight skin irritation. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

Swallowing : Not expected to result in harmful effects.

Inhalation : May cause irritation of the nose and throat, accompanied by cough and chest pain, if mist or dust is inhaled.

Other Potential Health Risks : Prolonged exposure to aluminum oxide dust can cause pneumoconiosis.

Target Organ Effects : Overexposure to propylene glycol has been suggested as a cause of the following effects in laboratory animals, and may aggravate pre-existing disorders of these organs in humans: kidney damage.

Carcinogenicity : No data. Propylene glycol is not listed as a carcinogen by IARC, NTP, or OSHA.

System Effects : No data

Teratology (Birth Defects) : No data

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SECTION IV - FIRST AID PROCEDURES

Ingestion : Unlikely route of exposure. If symptoms develop consult medical attention.

Inhalation : Unlikely route of exposure. First aid not normally required. If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention.

Eye Contact : Irrigate with flowing water immediately and continuously for 15 minutes. Seek medical attention if symptoms persist or there is any visual difficulty.

Skin Contact : Wash off in flowing water or shower.

SECTION V - FIRE AND EXPLOSION HAZARDS

Flash Point : None to boiling

Unusual Fire Hazards :

Special Fire Procedure : Largely consists of water.

Extinguishing Media : Water fog or fine spray, carbon dioxide, dry chemical, foam. Alcohol resistant foams (ATC type) are preferred if available. General purpose synthetic foams (including AFFF) or protein foams may function, but much less effectively. Do not use direct water stream.

SECTION VI - SPILL OR LEAK PROCEDURES

Spill Procedures : Isolate area. Contain liquid to prevent contamination of soil, surface water, or ground water.

Waste Disposal : Clean up residual with non-combustible absorbent material and wash with water. Collect material in suitable and properly labeled open containers.

SECTION VII – HANDLING PRECAUTIONS

Handling : Good personal hygiene to be followed at all times. Impermeable gloves recommended, or use barrier type cream. Prolonged contact removes oil and dries skin. If there is excessive dustiness, wear respirator selected per OSHA CFR 1910.134

Storage : Store in polyethylene or similar materials containers.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection : Use safety glasses. Where contact with this material is likely, chemical goggles are recommended because eye contact may cause discomfort even though it is unlikely to cause injury.

Skin Protection : For brief contact, no precautions other than clean body-covering clothing should be needed. Use gloves impervious to this material when prolonged or frequently repeated contact should occur.

Ventilation : Local exhaust ventilation may be necessary for some operations. When airborne exposure guidelines and/or comfort levels may be exceeded, use an approved air-purifying respirator.

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SECTION IX - PHYSICAL DATA

Vapor Pressure	: not determined	Boiling Point	: >100°C
Vapor Density	: >1.000 @air=1	Evaporation Rate	:
Specific Gravity	: 1.2 @ 25/25C	Odor	: odorless
Solubility in H ₂ O	: 90%	Appearance	: Dark gray
Percent Volatile	: 10-50%		
pH	: 6-8		

SECTION X - CHEMICAL STABILITY & REACTIVITY

Stability : Stable under recommended storage conditions.
Incompatibility : Avoid contact with strong oxidizing materials.
Hazardous Polymerization : Will not occur.
Hazardous Decomposition Products : Does not normally decompose. Hazardous decomposition products depend upon temperature, air supply, and the presence of other materials.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste disposal method : Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. For unused and uncontaminated product, the preferred options include sending to a licensed, permitted: recycler, reclaimer, incinerator, or other thermal destruction device.

SECTION XIV - TRANSPORTATION AND LABELING

DOT Proper Shipping Name : None
DOT Hazard Class : None
DOT ID Number (UN#) : None
Precautionary Labels : None

SECTION XV - PREPARER

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NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. It is obtained from sources believed to be reliable. However, no warranty, express or implied is given. Regulatory requirements are subjected to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations. The MSDS was prepared, and is to be used, only with this product. See MSDS for health and safety information.