



MATERIAL SAFETY DATA SHEET

MSDS #: 0398

Date of Issue: 1/95
Date of Revision: 6/10

SECTION 1 -- PRODUCT IDENTIFICATION

IDENTITY (Trade Name): DIAMAX Lubricant
FAMILY/CHEMICAL NAME: Polyalkylene Glycol
PRODUCT USE: A thinner, coolant and lubricant for diamond polishing compounds.
MANUFACTURER/SUPPLIER: BORIDE Engineered Abrasives
2615 Aero Park Dr.
Traverse City MI 49686-9101
B.E.A DOCUMENT NO: 398
ORIGINAL ISSUE DATE: January 1995
TELEPHONE NUMBER: 1 (231) 929-2121
24-HOUR EMERGENCY NUMBER: 1 (231) 922-1959
REVISION DATE: June 11, 2010

SECTION 2 -- INGREDIENTS

MATERIAL	CAS #	WEIGHT %	PEL/TWA
Polyalkylene glycol monobutyl ether	9038-95-3*	60-100%	not established by OSHA or ACGIH

* THIS MATERIAL CAUSES MODERATE TO SEVERE EYE IRRITATION.

IARC, NTP, OSHA CARCINOGENS: NA

SECTION 3 -- PHYSICAL DATA

PHYSICAL STATE, APPEARANCE, and ODOR: Clear blue liquid, characteristic odor
VAPOR DENSITY: Heavier than air BOILING POINT: Decomposes above 392°F
EVAPORATION RATE: Less than water pH: 4 to 5
SOLUBILITY IN WATER: Soluble PERCENT VOLATILE: Not available
SPECIFIC GRAVITY: 0.97
NFPA CODES: FLAMMABILTY: 2 HEALTH: 1 REACTIVITY: 0



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SECTION 4 -- HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Spray and mist generated during use may be inhaled or come in contact with skin or eyes.

SIGNS AND SYMPTOMS OF EXPOSURE

ACUTE Eyes: Can cause moderate to severe irritation, reddening and swelling of the conjunctiva.

Skin: Moderate irritation, redness, itchiness.

Inhalation (Breathing): Moderate nasal and respiratory irritation.

Ingestion (Swallowing): No adverse effects are expected.

CHRONIC: Not available.

CARCINOGENICITY: Not carcinogenic.

EMERGENCY FIRST AID PROCEDURES

Eyes: Flush eyes with water for 15 minutes, lifting upper and lower lids occasionally. Seek Medical attention.

Skin: Thoroughly wash affected area with soap and water. If persistent rash or irritation develops, seek medical attention.

Inhalation (Breathing): Remove individual from exposure. If symptoms of pulmonary involvement (coughing, sneezing, shortness of breath) persist, seek medical attention.

Ingestion (Swallowing): If swallowed, dilute with a large amount of water, induce vomiting and seek medical attention.

SECTION 5 -- FIRE AND EXPLOSION HAZARD DATA

EMERGENCY RESPONSE GUIDE NUMBER: Not Applicable.

FLASH POINT: 194°F (Pensky-Martens Closed Cup)

SPECIAL FIRE AND EXPLOSION HAZARDS: Do not direct a stream of water or foam into burning liquid. This may cause foaming and increase fire intensity.

EXTINGUISHING MEDIA: Do not use streams of water. Use water spray or fog, foam, dry chemical or CO₂.

HAZARDOUS COMBUSTION PRODUCTS: Complete combustion will produce carbon dioxide and carbon monoxide.



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SECTION 6 -- REACTIVITY DATA

STABILITY: Stable, not reactive with water.

INCOMPATIBILITY (Material & Conditions to avoid): Incompatible with strong oxidizing agents and strong acids.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide.

SECTION 7 -- PREVENTIVE MEASURES

PRECAUTIONS FOR SAFE USE AND HANDLING

Handling precaution: If usage conditions generate airborne mist, use in well ventilated area and avoid breathing mist.

Personal hygiene: Use good personal hygiene. Wash hands after contact with lubricant. Wash hands before eating or smoking.

Shipping and storing precautions: Keep away from open flames and other ignition sources.

Spill procedures: Take up liquid on absorbent material and sweep or shovel into closable container for disposal.

Waste disposal methods: Do not pour liquid material down drains or sewers. Dispose in accordance with federal, state, provincial and local regulations.

CONTROL MEASURES

Eye protection: Goggles or safety glasses with side shields are recommended when performing polishing operations.

Protective gloves: Recommended but not required when using DIAMAX lubricant.

Respiratory protection: Not normally required. Selection and use of respiratory protective equipment, if warranted, should be in accordance with OSHA General Industry Standard 29 CFR 1910.134 in the U.S.A. and with CSA Standard Z94.4-M1982 in Canada.

Engineering controls: Provide process enclosure or local ventilation for spraying operations producing mists.



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SECTION 8 -- OTHER REGULATORY INFORMATION

TRANSPORTATION INFORMATION

DOT Proper shipping name: None

DOT Hazard Class: None

DOT ID Number: None

SARA TITLE III: Product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Section 302 Extremely hazardous: Not listed

Section 313 Toxic chemicals list: Not listed

FEDERAL RCRA HAZARDOUS WASTE: No

REPORTABLE QUANTITY (RQ), UNDER U.S. Not listed

EPA CERCLA: Not listed

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, BORIDE Engineered Abrasives assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.