

SECTION 1 -- PRODUCT IDENTIFICATION

IDENTITY (Trade Name): BORI-LUBE-10
SYNONYMS: Polishing lubricant.
FAMILY/CHEMICAL NAME: Lubricant
PRODUCT USE: Cutting, grinding, polishing lubricant.
MANUFACTURER/SUPPLIER: BORIDE Engineered Abrasives
2615 Aero Park Dr.
Traverse City MI 49686-9101
ORIGINAL ISSUE DATE: May 22, 2015
TELEPHONE NUMBER: (800) 662-0336
24-HOUR EMERGENCY NUMBER: (231) 922-1959

SECTION 2 – HAZARDS IDENTIFICATION

PRIMARY ROUTES OF EXPOSURE: May come in contact with skin or eyes.

GHS symbol:



GHS Signal Word: Warning

GHS Hazard Statements: H 316 (mild skin irritant); H 320 (eye irritant)

GHS Precautionary Phrases: P280 - Wear eye protection
P260 - Do not breathe dust/fume/mist/vapors/spray
P264 - Wash hands thoroughly after handling

POTENTIAL HEALTH EFFECTS:

ACUTE: Eyes: Can cause irritation, redness and eye watering.
Skin: May cause irritation, no skin absorption hazard.
Inhalation (Breathing): May cause respiratory tract irritation.
Ingestion (Swallowing): May irritate GI tract.

CHRONIC: Similar to acute.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: None known.

NFPA RATINGS: Health: 1; Flammability: 0; Reactivity: 0

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS #	WEIGHT %	NIOSH REL	EC#
Sodium tetraborate decahydrate	1303-96-4	< 0.5%	5 mg/m ³	215-540-4
Triethanolamine	102-71-6	< 2.5%	5 mg/m ³	203-049-8

SECTION 4 – FIRST AID MEASURES

EYES: Flush eyes with water for 15 minutes lifting upper and lower lids occasionally. Seek medical attention if irritation or redness persists.

SKIN: Thoroughly wash affected area with soap and water and isolate from exposure. If irritation or rash persists, seek medical attention.

INHALATION: Not expected, if discomfort persists, remove to fresh air.

OTHER HEALTH RISKS: Chronic exposure at high levels may damage fertility or the unborn child.

SECTION 5 – FIREFIGHTING MEASURES

FLASH POINT: > 93 °C.

FLAMMABLE LIMITS IN AIR: None.

AUTOIGNITION TEMPERATURE: Not applicable.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

FIRE FIGHTING PROCEDURES: Not applicable.

EXTINGUISHING MEDIA: Not applicable.

HAZARDOUS COMBUSTION PRODUCTS: None.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES: Use absorbent material or wet-vac to collect liquid. Prevent liquid from entering sewers, water courses or low areas.

METHODS FOR CONTAINMENT: Absorbent material.

SECTION 7 – HANDLING AND STORAGE

HANDLING: No special handling precautions necessary.

STORAGE: Keep from freezing or extreme heat during storage.

PERSONAL HYGIENE: Use good personal hygiene. Wash hands before eating, drinking or smoking.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

<u>MATERIAL</u>	<u>CAS #</u>	<u>WEIGHT %</u>	<u>NIOSH REL</u>	<u>EC#</u>
Sodium tetraborate decahydrate	1303-96-4	< 0.5%	5 mg/m ³	215-540-4
Triethanolamine	102-70-6	< 2.5%	5 mg/m ³	203-049-8

CONTROL MEASURES

EYE PROTECTION: Goggles or safety glasses with side shields are recommended.

PROTECTIVE GLOVES: Any type recommended but not required.

RESPIRATORY PROTECTION: Not normally required.

ENGINEERING CONTROLS: Standard controls to minimize generation of and exposure to mist.

OTHER PROTECTIVE EQUIPMENT: None necessary.

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, and ODOR: Blue liquid, woody odor.

ODOR THRESHOLD: Not applicable.

DENSITY: 1.0 g/cm³

VAPOR DENSITY: No data available.

BOILING POINT: ~100 °C.

VISCOSITY: 1-5 cPs.

FREEZING POINT: ~32 °C.

EVAPORATION RATE: Negligible.

PH: Neutral.

SOLUBILITY IN WATER: 100% soluble.

MOLECULAR WEIGHT: Not applicable.

VOLATILE ORGANIC COMPOUNDS: No.

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable, not reactive with water.

INCOMPATIBILITY (material & conditions to avoid): None known.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

CAS # 1303-96-4: LD50 oral Rat: 5,660 mg/kg.; LD50 dermal Rabbit: > 2,000 mg/kg;
LD50 inhalation Rat 2.030 mg/L

CAS# 102-70-6: LD50 oral Rat: 6,400 mg/kg.; LD50 dermal Rabbit: > 2,000 mg/kg.

CHRONIC TOXICITY: No data available for the mixture.

CARCINOGENS: Not identified as a carcinogen by ACGIH, IARC, NTP or OSHA.

RTECS NUMBER:

CAS # 1303-96-4: VZ2275000

CAS# 102-70-6: KL9275000

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: No environmental data available for the mixture.

PERSISTENCE AND DEGRADABILITY: No data available for the mixture.

MOBILITY IN SOIL: No data available for the mixture.

TOXICITY TO FISH: No data available for the mixture. Triethanolamine: flow-thru test LC50 – flathead minnow – 11,800 mg/l – 96 hrs. (ECHA).

TOXICITY TO OTHER AQUATIC INVERTEBRATES: No data available for the mixture. Triethanolamine: static test EC50 – water flea – 609.88 mg/l – 48 hrs. (ECHA).

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with federal, state, provincial and local regulations.

SECTION 14 -- TRANSPORTATION INFORMATION

DOT

PROPER SHIPPING NAME: None. HAZARD CLASS: None. ID NUMBER: None

Packaging Group: None. ER Guidebook #: None.

IATA Shipping Name: Not regulated as dangerous goods.

IMO Shipping Name: Not regulated as dangerous goods.

IMDG Shipping Name: Not regulated as dangerous goods

SECTION 15 -- REGULATORY INFORMATION

TSCA Inventory Status: both ingredients are listed on TSCA.

ECHA REACH: both ingredients are listed on the Candidate List.

EC Number: Sodium tetraborate decahydrate: 215-540-4
Triethanolamine: 203-049-8

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 SUBSTANCE LIST: Not listed
SECTION 313 TOXIC CHEMICALS LIST: Not listed

FEDERAL RCRA HAZARDOUS WASTE: Not listed

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

GERMAN WKG CLASSIFICATION: both ingredients are classified as NWG 1.

SECTION 16 -- ADDITIONAL INFORMATION

SDS creation date: May 22, 2015
SDS revision date: October 18, 2022

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.