

## Borokote Max

Revision Date March 7, 2024

### 1. Product and Company Identification

<b>Product Information</b>	
Trade Name	Borokote Max
Product Description	Water-based boron nitride coating
Recommended Uses	Lubricant, protective coating
<b>Company</b>	Cummings-Moore Graphite Co. (a division of Asbury Carbons Inc.) 1505 Cedar Street Port Huron, MI 48060
<b>Emergency Telephone</b>	1-800-255-3924 (contract number: MIS0001931)
Information Phone	1-908-537-2155
Website	www.asbury.com

### 2. Hazards Identification

<b>Classification</b>	Not a hazardous substance
<b>Labeling</b>	Not a hazardous substance, no label elements are required

### 3. Composition / Information on Ingredients

Components	CAS No.	Weight %	Hazard Code(s)
Water	7732-18-5	65 - 80%	---
Boron nitride	10043-11-5	15 - 25%	---
Alumina Hydrate	1318-23-6	5 - 10%	---
Magnesium aluminum silicate	12199-37-0	1 - 2 %	---

### 4. First Aid Measures

<b>Inhalation</b>	Remove patient to particulate-free environment. Wear approved dust mask to avoid breathing dust. Seek medical attention if irritation persists.
<b>Skin Contact</b>	Wash with mild soap and warm water.
<b>Eye contact</b>	Rinse with tepid water until eyes are clear of particulates. Seek medical attention if irritation persists.
<b>Ingestion</b>	Get immediate medical attention. Do not induce vomiting unless directed by medical personnel.

### 5. Fire Fighting Measures

<b>Graphite is not flammable under normal conditions</b>	
<b>Extinguishing media</b>	Dry chemical extinguisher, water, sand, limestone powder
<b>Special fire hazards</b>	None known
<b>Products of Combustion</b>	Nitrogen oxides, boron oxides, carbon dioxide, carbon monoxide
<b>Advice for Fire Fighters</b>	Use self contained air pack, gloves, safety goggles
<b>NFP Rating</b>	110

### 6. Accidental Release Measures

<b>Personal precautions</b>	Wear approved dust mask, safety goggles, and water-proof work gloves.
<b>Environmental precautions</b>	Spilled material should be cleaned up, and disposed of in an appropriate manner.
<b>Methods for cleaning up</b>	Contain spillage, and then collect with non-combustible absorbent material. Place in suitable, closed containers for disposal.

### 7. Handling and Storage

<b>Precautions for safe handling</b>	Keep containers closed when not in use. Loosen closures slowly.
<b>Fire and explosion protection</b>	No special instructions - material is not combustible.

<b>Storage precautions</b>	Protect from freezing. Keep container tightly closed in a dry and well-ventilated place.
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## 8. Exposure Controls/ Personal Protection

Ingredients with control parameters / occupational exposure limits			
Component	CAS No.	TWA	Control Reference
Water	7732-18-5	---	---
Boron nitride	10043-11-5	4.0 mg/m <sup>3</sup>	Respirable dust, manufacturer
<b>Engineering controls</b>	Use adequate dust collection to maintain dust levels below the control or recommended values.		
<b>Respiratory Protection</b>	Use approved dust mask, type N95 recommended.		
<b>Eye Protection</b>	Safety glasses with side shields or goggles.		
<b>Skin Protection</b>	Conventional work gloves and clothing.		
<b>Hygiene measures</b>	Product spilled on pedestrian surfaces may pose a significant slip hazard.		

## 9. Physical and Chemical Properties

<b>Appearance</b>	White liquid	<b>Lower explosion limit</b>	n/a
<b>Odor</b>	Mild	<b>Upper explosion limit</b>	n/a
<b>pH</b>	3.0 – 5.0	<b>Vapor pressure</b>	As water
<b>Freezing point</b>	32°F (0°C)	<b>Vapor density</b>	As water
<b>Boiling range</b>	212°F (100°C)	<b>Water solubility</b>	Dispersible
<b>Flash point</b>	n/a	<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Evaporation rate</b>	As water	<b>Autoignition temperature</b>	No data available
<b>Specific gravity</b>	1.2 g/ml	<b>% volatile by weight</b>	73%

## 10. Stability and Reactivity

<b>Chemical stability</b>	Stable. Will not polymerize or self react spontaneously.
<b>Possibility of hazardous reactions</b>	None known
<b>Conditions to avoid</b>	None known
<b>Materials to avoid</b>	None known
<b>Hazardous decomposition products</b>	Nitrogen oxides, boron oxides, carbon dioxide, carbon monoxide

## 11. Toxicological Information

<b>Acute oral toxicity</b>	LD50 (rat): > 50,000 mg/kg
<b>Acute inhalation toxicity</b>	No data available.
<b>Acute dermal toxicity</b>	LD50 (rabbit): > 45,000 mg/kg
<b>Skin corrosion/irritation</b>	No data available.
<b>Eye damage/irritation</b>	No data available.
<b>Respiratory or skin sensitization</b>	No data available.
<b>Mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	No data available.
<b>Reproductive toxicity</b>	No data available.
<b>STOT - single exposure</b>	No data available.
<b>STOT - repeated exposure</b>	No data available.
<b>Aspiration toxicity</b>	No data available.

## 12. Ecological Information

<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms.
<b>Biodegradation</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Mobility</b>	No data available.

### 13. Disposal Considerations

<b>Material Disposal</b>	Dispose of in a manner which conforms to local, state and Federal regulations. Graphite is non-hazardous but disposal of graphite waste should be handled in a responsible matter.
<b>Packaging Disposal</b>	Packaging should be completely emptied of contents and disposed of in a manner specified by the recycler/regional disposal contractor.

### 14. Transport Information

<b>UN number</b>	Not regulated
<b>Proper shipping name</b>	n/a
<b>Transport hazard class</b>	n/a
<b>Packing group</b>	n/a
<b>Marine pollutant?</b>	No

### 15. Regulatory Information

<b>Listed / complies with the following chemical inventories:</b>	DSL, IECSC/NEPA, TSCA, EINECS, MITI/ENCS, PICCS, AICS, ECL
<b>SARA (311/312) Hazard Classifications</b>	No SARA hazards
<b>SARA (313) Toxic Release Inventory:</b>	This material contains no chemicals subject to the supplier notification requirements of the SARA 313 Toxic Release Program.

### 16. Other Information

The information contained herein is accurate to the best of our knowledge. Asbury Carbons makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.	
<b>NFPA Classification</b>	Health Hazard: 1 Fire Hazard: 1 Reactivity Hazard: 0