
Section 1 - Product and Company Information**Product Name** Thermablock Sol-Gel Part B

| | | |
|-------------------------|--------------------------|-----------------------|
| Company | MicroPhase Coatings, Inc | HMIS Code |
| Street Address | 170 Donmoor Court | Health 1 |
| City, State, Zip | Garner, NC 27529 | Flammability 0 |
| Emergency phone: | (800) 424-9300 | Reactivity 0 |
| International | 001-703-527-3887 | |

Section 2 - Composition Information/Hazardous Ingredients

| <u>Substance Name</u> | <u>CAS #</u> | <u>OSHA Pel</u> | <u>ACGIH TLV</u> |
|-----------------------|----------------------|-----------------|------------------|
| Boric acid | 10043-35-3 98 - 100% | NA | NA |

Section 3 - Physical and Chemical Properties

| | |
|---|--------------------------|
| Boiling Point | decomposes |
| Vapor Pressure | 2.6 mm Hg at 20°C |
| Vapor Density (air=1) | N/A |
| Solubility in Water | 1 g/18 mL in cold water |
| Specific Gravity | 1.49 g/cc |
| Melting Point | 170°C |
| Evaporation Rate (Butyl Acetate=1) | NA |
| Appearance and Odor | white powder or granules |

Section 4 - Fire Fighting Measures

| | |
|---------------------------------|---|
| Flash Point | N/A |
| Autoignition Temperature | N/A |
| Extinguishing Media | Water spray, carbon dioxide, dry chemical powder or appropriate foam. |

Firefighting**Protective Equipment**

Wear self-contained breathing apparatus and protective coating to prevent contact with skin and eyes.

Specific Hazard(s)

none known

Section 5 - Reactivity Data**Stability**

Stable

Materials to Avoid

metal hydrides, alkali metals and other reducing agents

Hazardous Decomposition or Byproducts

none known

Hazardous Polymerization

Will not occur.

Section 6 - Health Hazard Data**Route(s) of Entry**

Inhalation, Ingestion, Dermal

Inhalation

Mild irritant to mucous membranes

Health Hazards (Acute and Chronic)

none known

Carcinogen

No evidence of carcinogenicity in mice

Signs and Symptoms of Exposure

Small quantities ingested will not cause noticeable effects. Large quantities may cause gastrointestinal symptoms.

Mild irritation may occur to skin and eyes under prolonged exposure.

Medical Conditions Generally Aggravated by Exposure

None Known.

Emergency and First Aid Procedures

Wash skin with large amounts of soap and water. Flush eyes with running water for at least 15 minutes.

If inhaled move to fresh air and call a physician if irritation persists.

Acute Oral Toxicity LD50 in rats is 3,500 to 4,100 mg/kg

Acute Dermal Toxicity LD50 in rabbits is more than 2,00 mg/kg. Boric acid is poorly absorbed through intact skin.

Section 7 - Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Sweep up, place in bag and hold for waste disposal. Wash area with water after material pickup is complete.

Waste Disposal Method

Small quantities may be disposed in landfills.

Other Precautions

None known.

Section 8 - Control Measures**Respiratory**

Use a NIOSH approved respirator if dust levels may exceed recommended limitations.

Hand

Protective rubber gloves.

Eye

Chemical safety goggles or face shield.

General Hygiene Measures

Wash thoroughly after handling.

Section 9 - Transport Information**DOT**

Proper Shipping Name None required

Section 10 - Regulatory Information

not regulated under UDS DOT and TDG Canada

Boric acid has no UN number and is not regulated for rail, water, air or ground transportation

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