
Section 1 - Product and Company Information

| | | | |
|-------------------------|-------------------------------------|--------------|---|
| Product Name | Thermablock TBC 2.4 (Part A) | | |
| Company | MicroPhase Coatings, Inc | HMIS Code | |
| Street Address | 170 Donmoor Court | Health | 1 |
| City, State, Zip | Garner, NC 27529 | Flammability | 3 |
| Emergency phone: | (800) 424-9300 | Reactivity | 1 |
| 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> |
|---------------------------|--------------|----------|-----------------|------------------|
| Titanium Isopropoxide | 546-68-9 | 5 - 15% | ND | ND |
| Poly(diethoxysiloxane) | 556-67-2 | 0 - 5% | 10 ppm | 10 ppm |
| Poly(methylsilsequioxane) | 68554-70-1 | 2 - 10% | ND | ND |
| Isopropanol | 67-63-0 | 20 - 40% | 400 ppm | 400 ppm |

Section 3 - Physical and Chemical Properties

| | |
|---|-------------------|
| Boiling Point | 58° C |
| Vapor Pressure | 33 mm Hg at 20° C |
| Vapor Density (air=1) | > 1 |
| Solubility in Water | reacts |
| Specific Gravity | 0.96 |
| Melting Point | NA |
| Evaporation Rate (Butyl Acetate=1) | NA |
| Appearance and Odor | Clear liquid |

Section 4 - Fire Fighting Measures

| | |
|---------------------------------|---|
| Flash Point | 12°C (53°F) |
| Autoignition Temperature | 399° C |
| Extinguishing Media | Carbon dioxide, dry chemical powder or appropriate foam. Water spray. |

Firefighting**Protective Equipment**

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

Specific Hazard(s)

Emits irritating fumes under fire conditions.

Section 5 - Reactivity Data**Stability**

Stable

Materials to Avoid

Oxidizing Agents, reacts slowly with moist air.

Hazardous Decomposition or Byproducts

Organic acid vapors, silicon dioxide

Hazardous Polymerization

Will not occur.

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

Inhalation, Ingestion, Dermal

Inhalation

May irritate the respiratory tract, cause headache or nausea.

Health Hazards (Acute and Chronic)

May cause immediate or delayed severe eye irritation

Carcinogen

No information available.

Signs and Symptoms of Exposure

Irritation of eyes, coughing, skin irritation

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 ingested do not induce vomiting, call doctor immediately.

Acute Oral Toxicity

LD50 rat 5045 mg/kg

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

Use a dry, absorbent material such as sand or vermiculite to absorb material. Transfer to a sealed container for disposal.

Waste Disposal Method

Mix with resin and allow to cure. Check local ordinances for proper disposal.

Other Precautions

None known.

Section 8 - Control Measures**Respiratory**

NIOSH/MSHA approved respirator.

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**

Flammable Liquid, n.o.s. (isopropanol, tetrapropylorthotitanate mixture)

DOT LABEL: FLAMMABLE LIQUID

DOT ID no.: UN1993

PG: III

DOT Hazard Class: 3

Section 10 - Regulatory Information**TSCA All components are included in the EPA Toxic Substances Control Act**

ISSUE DATE:

1/14/2005