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**Section 1 - Product and Company Information**

|                         |                          |                |
|-------------------------|--------------------------|----------------|
| <b>Product Name</b>     | <b>Thermablock CR</b>    |                |
| <b>Company</b>          | MicroPhase Coatings, Inc | HMIS Code      |
| <b>Street Address</b>   | 170 Donmoor Court        | Health 2       |
| <b>City, State, Zip</b> | Garner, NC 27529         | Flammability 3 |
| <b>Emergency phone:</b> | (800) 424-9300           | Reactivity 0   |

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**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     | 30 - 60% | NA              | NA               |
| poly(methylsilsequioxane) | 68554-70-1   | 25 - 40% | ND              | ND               |
| isopropanol               | 67-63-0      | 30-50%   | 400 ppm         | 400 ppm          |

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**Section 3 - Physical and Chemical Properties**

|   |              |
|---|--------------|
| <b>Boiling Point</b>                      | 82.0 C       |
| <b>Vapor Pressure</b>                     | NA           |
| <b>Vapor Density (air=1)</b>              | > 1          |
| <b>Solubility in Water</b>                | reacts       |
| <b>Specific Gravity</b>                   | 2.00 g/cc    |
| <b>Melting Point</b>                      | NA           |
| <b>Evaporation Rate (Butyl Acetate=1)</b> | NA           |
| <b>Appearance and Odor</b>                | Clear liquid |

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**Section 4 - Fire Fighting Measures**

|   |   |
|---|---|
| <b>Flash Point</b>  | 11 C  |
| <b>Autoignition Temperature</b>   | Not Determined  |
| <b>Extinguishing Media</b>  | Carbon dioxide, dry chemical powder or appropriate foam. Water spray. |
| <b>Firefighting</b>   |   |
| <b>Protective Equipment</b>   |   |
| Wear self-contained breathing apparatus and protective coating to prevent contact with skin and eyes. |   |
| <b>Specific Hazard(s)</b>   |   |
| Liquid material emits irritating fumes under fire conditions.   |   |

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**Section 5 - Reactivity Data**

|   |  |
|---|--|
| <b>Stability</b>                                |  |
| Stable  |  |
| <b>Materials to Avoid</b>                       |  |
| Oxidizing Agents, reacts slowly with moist air. |  |
| <b>Hazardous Decomposition or Byproducts</b>    |  |

Organic acid vapors, silicon dioxide

**Hazardous Polymerization**

Will not occur.

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**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** ND

**Acute Dermal Toxicity** ND

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**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.

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**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.

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**Section 9 - Transport Information****DOT**

**Proper Shipping Name** Flammable Liquid, n.o.s. (Tetrapropylorthotitanate and Isopropanol)  
DOT LABEL: FLAMMABLE LIQUID  
DOT ID no.: UN1993 PG: III

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**Section 10 - Regulatory Information**

**TSCA** All components are included in the EPA Toxic Substances Control Act Chemical Substance

**TSCA 12b Components** None

**OSHA Hazard Classes (29CFR1910.1200)** 3

**EPA SARA Title III Section 312 (40CFR370) hazard class** None required.

**EPA SARA Title III Section 313 (40CFR372) toxic chemicals above "de minimis" Level are** none

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