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**Section 1 - Product and Company Information**

|                         |                                   |              |   |
|-------------------------|-----------------------------------|--------------|---|
| <b>Product Name</b>     | <b>Thermablock Dross (Part A)</b> |              |   |
| <b>Company</b>          | MicroPhase Coatings, Inc          | HMIS Code    |   |
| <b>Street Address</b>   | 170 Donmoor Court                 | Health       | 1 |
| <b>City, State, Zip</b> | Garner, NC 27529                  | Flammability | 3 |
| <b>Emergency phone:</b> | (800) 424-9300                    | Reactivity   | 1 |
| <b>International</b>    | 001-703-527-3887                  |              |   |

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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     | 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          |

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**Section 3 - Physical and Chemical Properties**

|   |                   |
|---|-------------------|
| <b>Boiling Point</b>                      | 58° C             |
| <b>Vapor Pressure</b>                     | 33 mm Hg at 20° C |
| <b>Vapor Density (air=1)</b>              | > 1               |
| <b>Solubility in Water</b>                | reacts            |
| <b>Specific Gravity</b>                   | 0.96              |
| <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>              | 12°C (53°F)   |
| <b>Autoignition Temperature</b> | 399° C  |
| <b>Extinguishing Media</b>      | 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.

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**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.

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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**

LD50 rat 5045 mg/kg

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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. (isopropanol, tetrapropylorthotitanate mixture)

DOT LABEL: FLAMMABLE LIQUID

DOT ID no.: UN1993

PG: III

DOT Hazard Class: 3

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