

---

**Section 1 - Product and Company Information**

<b>Product Name</b>	<b>Thermablock NANO Part A</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 1
<b>International</b>	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 - 10%	NA	NA
Poly(methylsilsequioxane)	68554-70-1	5 - 10%	ND	ND
Isopropanol	67-63-0	15-30%	400 ppm	400 ppm
Aluminum oxide	1344-28-1	30 - 60%	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

---

**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>	Reactive
<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>	White Liquid

---

**Section 4 - Fire Fighting Measures**

<b>Flash Point</b>	12° C
<b>Autoignition Temperature</b>	399° C
<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.	

---

**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.

---

**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

**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**

N/A

---

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

Use a dry, absorbant 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**

<b>Proper Shipping Name</b>	Flammable Liquid, n.o.s. (Tetrapropylorthotitanate, isopropanol mixture)
	DOT LABEL: FLAMMABLE LIQUID
	DOT ID no.: UN1993
	DOT Hazard class: 3
	PG: III

---

**Section 10 - Regulatory Information**

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

ISSUE DATE: 1/5/2006