
Section 1 - Product and Company Information

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

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

Section 3 - Physical and Chemical Properties

Boiling Point	82.0 C
Vapor Pressure	NA
Vapor Density (air=1)	> 1
Solubility in Water	reacts
Specific Gravity	0.5 g/cc
Melting Point	NA
Evaporation Rate (Butyl Acetate=1)	NA
Appearance and Odor	Clear liquid

Section 4 - Fire Fighting Measures

Flash Point	11 C
Autoignition Temperature	Not Determined
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)	
Liquid material 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 ND

Acute Dermal Toxicity ND

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. (Tetrapropylorthotitanate and Isopropanol)
	DOT LABEL: FLAMMABLE LIQUID
	DOT ID no.: UN1993
	PG: III

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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