Section 1 - Product and Company Information

Product Name **Thermablock AR Part A**

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	1
International	001-703-527-3887		

Section 2 - Composition Information/Hazardous Ingredients

Substance Name	CAS #		OSHA Pel	ACGIH TLV
Titanium Isopropoxide	546-68-9	5 - 10%	NA	NA
Poly(methylsilsequioxane)	68554-70-1	5 - 10%	ND	ND
Isopropanol	67-63-0	10-15%	400 ppm	400 ppm
Crystalline Silica	14808-60-7	20-30%	10mg/m3	0.05
Acetone	67-64-1	15-30 %	1000 ppm	500 ppm

Respirable crystalline silica can cause silicosis. It is also classified as a carcinogen

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	Reactive
Specific Gravity	2.00 g/cc
Melting Point	NA
Evaporation Rate (Butyl Acetate=1)	NA
Appearance and Odor	White Liquid

Section 4 - Fire Fighting Measures

Flash Point	12° C
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)

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 irriation

Carcinogen
Respirable crystalline silica is classified as a carcinogen. The crystalline silica in this material is blended into a solution. It may become respirable upon spraying.

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, 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

Proper Shipping Name	Flammable Liquid, n.o.s. (Tetrapropylorthotitanate, isopropanol 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