

Superhydrophobic Treatment Agent**FluoroThane TS B
Revision Date 7.20.20**

This SDS adheres to the standards and regulatory requirements of the United States and China.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: **Superhydrophobic Treatment Agent** **FluoroThane TS B**

RECOMMENDED USE: Water, ice and oil repellent. For industrial use only.

MANUFACTURER: Cytonix, LLC

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SECTION 2: HAZARDS IDENTIFICATION

Classification according to Regulation 29CFR 1910 1200.

Not a hazardous substance.

GHS Label elements, including precautionary statements

Pictogram

None Required.

Signal word

None Required Not Hazardous.

SECTION3: COMPOSITION OF INGREDIENTS

Component	CAS-No.	Concentration (%)
Particles	Proprietary	100

Particles are classified as non-hazardous according to Regulation 29CFR 1910 1200.

SECTION 4. FIRST AID MEASURES

Skin Contact:

Wash off with plenty of soap and warm water.

Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention if needed.

Inhalation:

In case product dust is released: Possible discomfort: cough or sneezing. Wear dust mask. Move to fresh air.

Ingestion. If accidentally swallowed, rinse mouth thoroughly with water for 15 minutes, drink plenty of water. In case of discomfort get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flammability of the Product: Non-Flammable

Extinguishing Media: Water spray, Foam, Dry chemical, Carbon dioxide.

Firefighting Instructions: In the event of fire, wear self-contained breathing apparatus.

Use personal protective equipment. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Evacuate personnel to safe areas. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Fire and Explosion hazard: None known

SECTION 6: ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with cleanup. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel):

Wear protective equipment.

Spill Cleanup:

Contain spillage and place in a container for disposal according to local, national regulations.

Accidental Release Measures:

Do not release into lakes, streams and groundwater.

SECTION 7: HANDLING AND STORAGE

Handling (Personnel):

Use adequate ventilation.

Storage:

Avoid sources of ignition and build-up of electrostatic charges.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

TWA: 20 million particles per cubic ft. air.

Personal Protective Equipment:

Respiratory protection: wear dust mask.

Hand protection: Use impermeable gloves.

Eyes: Wear chemical splash goggles with side shield.

Skin and body: Wear appropriate protective clothing to prevent skin exposure.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form: Solid particles

Color: Colorless

Odor: Odorless

pH:	No data
Melting point/range:	1700°C (137°F)
Boiling Point/range)	Not determined
Flash Point:	Not applicable
Ignition temperature:	Not applicable
Vapor Pressure:	Not applicable
Density:	~2 g/ml at 20°C
Water Solubility:	>1 mg/l
Viscosity:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable without decomposition if stored and applied as directed.

Reactivity: No dangerous reactions known.

Conditions to avoid: None known.

Hazardous Decomposition Products: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50

LD50 Oral - rat - >3,300 mg/kg

Inhalation LC50

LC50 Inhalation - rat - 4 h – 0.139 mg/m³

Dermal LD50

LD50 Dermal - rat - >5,000 mg/kg

Germ cell mutagenicity: No negative effects

Carcinogenicity:

This product is or contains a component that is not classifiable as to its carcinogenicity based on its ARC, ACGIH, NTP, or EPA classification.

Reproductive toxicity: No negative effects.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish: LC50 - >10,000 mg/l - 96 h

Persistence and degradability: No

Bioaccumulative potential: No

Mobility in soil: No

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Waste must be disposed in accordance with federal, state, and local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT (USA). None required. Not dangerous according to transport regulations.

UN number: None required

Proper shipping name: None required

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG: None required. Not dangerous according to transport regulations.

UN Number: None required

Proper shipping name: None required

Marine Pollutant: No

IATA: None required. Not dangerous according to transport regulations.

UN number: None required

Proper Shipping name: None required

SECTION 15: REGULATORY INFORMATION

TSCA Status: This product is compliant with United States regulations and is listed on the TSCA Inventory. All chemical ingredients are listed on the Chinese Chemical Inventory, IECSC and are compliant with Chinese chemical regulations.

OSHA Hazards: None listed

SARA 313 Components: None listed

SARA 311/312 Hazards: None listed

California Prop. 65 This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any reproductive harm.

SECTION 16: OTHER INFORMATION

HMIS Rating

Health: 1 Flammability: 0 Physical Health 0

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