

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

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

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**1.1 Product: Superhydrophobic Treatment Agent****Fluorothane TS A****1.2 Recommended Use:**

Water, ice and oil repellent. For industrial use only.

1.3 Manufacturer:

Cytonix LLC

8000 Virginia Manor Road, Suite130, Beltsville, MD 20705

Phone: 301-470-6267

1.4 Emergency Phone: 301-470-6267**SECTION 2: HAZARDS IDENTIFICATION****2.1 GHS Classification of the substance or mixture**

Skin irritation	Category 2
Eye irritation	Category 2A
Acute Toxicity, Oral	Category 4
Acute Toxicity, Skin	Category 4

2.2 GHS Label Elements**Symbols****Hazard Statements: Warning**

H302 Harmful if swallowed

H312 Harmful in contact with skin

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves

P301+P312+P330 If Swallowed: call poison center or physician
P302+P352 If on skin: wash with plenty of soap and water.
P305+P351+P338 If in Eyes: rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/ attention.
P501 Dispose of contents/container to an approved waste disposal center

SECTION 3: COMPOSITION OF INGREDIENTS

INGREDIENT	Wt%	C.A.S. NUMBER
Water	50-60	7732-18-5
Resin	20-30	Proprietary
Polypropylene	10-20	9003-07-0

SECTION 4: FIRST AID MEASURES

4.1 First Aid Procedures

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: In case of eye contact, immediately flush eyes with plenty of water for 15 minutes. Consult a physician.

Skin Contact: In case of skin contact, flush with water.

Inhalation: If high concentrations are inhaled, immediately remove to fresh air. Keep persons calm. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician

If Swallowed: Rinse mouth with water. Do not induce vomiting. Call a physician.

4.2 Most important symptoms and effects, both acute and delayed.

See Section 2.2

4.3 Indication of any immediate medical attention and special treatment requirements

No data available.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media

Use water fog, foam carbon dioxide dry chemical or halogenated.

5.2 Special hazards arising from the substance or mixture. Hazardous decomposition products may form, carbon monoxide, carbon dioxide and nitrogen oxides.

5.3 Fire and Explosion Hazards:

When fire-fighting conditions are severe and thermal decomposition of product is possible, wear full protective clothing, including helmet, self-contained positive pressure breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face

mask and protective covering for exposed areas of the head. Wear OSHA approved self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, wear protective equipment, avoid breathing vapors. Ensure adequate ventilation. Evacuate unprotected and untrained personnel from hazard area. Observe precautions from other sections.

6.2 Avoid release to the environment.

For larger spills cover drains and prevent entry into sewer systems or bodies of water.

6.3 Methods for containing and cleaning spill

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Clean up residue with an appropriate organic solvent. Place in a metal container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material according to local regulations.

SECTION 7: HANDLING AND STORAGE

7.1 Handling.

Avoid inhalation of vapor or mist. Use PPE such as face mask especially when spraying. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use NIOSH approved respiratory protection equipment. Store work clothes separately from other clothing, food and tobacco products. No smoking.

7.2 Storage.

Keep container tightly closed. Keep container in well-ventilated area. Store away from heat. Do not freeze.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Engineering Controls.

Use with appropriate local exhaust ventilation. Provide local exhaust ventilation at transfer points. Provide appropriate local exhaust when product is heated.

8.2 Personal PROTECTIVE EQUIPMENT.

Eye/Face Protection

Avoid eye contact. Use Safety Glasses with side shields, use mask when spraying.

Skin Protection

Handle with gloves. Wear polymer laminate gloves when handling hot material to prevent thermal burns.

Respiratory Protection

Use in ventilated area.

Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

8.3 Exposure Guidelines.
Not determined.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form: liquid
Color: translucent
Odor: mild amine
Flash Point: > 100°C
Flammable: Will not sustain combustion.
Boiling point: ND
Vapor Density: ND
Vapor Pressure: ND

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Stable under recommended storage conditions

10.2 Materials and Conditions to Avoid. Keep from freezing.

10.3 Possibility of Hazardous Reactions. Polymerization:
Hazardous polymerization will not occur.

10.4 Incompatible materials. Strong acids, amines, strong oxidizing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

Not determined.

Carcinogenicity: none of the ingredients listed, IARC, ACGIH, NTP, OSHA

SECTION 12: ECOLOGICAL INFORMATION

Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents in accordance with the local/regional/national/international regulations. Prevent material from entering sewers and waterways.

Waste Disposal Method: Reclaim if feasible.

EPA Hazardous Waste Number: Not regulated.

SECTION 14: TRANSPORT INFORMATION

DOT (US)

UN number: Not Regulated

IMDG

UN number: Not regulated

IATA

UN number: Not regulated

SECTION 15: REGULATORY INFORMATION CHEMICAL INVENTORIES

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.

SARA 302/313 No

SARA 311/312 Hazards

Fire Hazard, Acute Health

Carcinogenicity: No ingredients are listed by NTP, IARC or OSHA as carcinogens.

California Proposition 65 Warning (applicable in California only) - This product does not contain (a) chemical(s) known to the State of California to cause birth defects or other reproductive harm.

CERCLA Reportable Quantity: No

SECTION 16: OTHER INFORMATION

HMIS Hazard Classification: Health: 1 Flammability: 0 Reactivity: 0 Protection: G
This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR1910.1200.

DISCLAIMER: *The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. Judgments as to the suitability of information herein for the purchaser's purposes are necessarily the purchaser's responsibility. Although reasonable care has been taken in the preparation of such information, Cytonix LLC, extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to the purchaser's intended purpose or for consequences of its use.*

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