

SAFETY DATA SHEET

Rainstopper® 1750W

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Rainstopper® 1750W

Product Number: RS1750W

Product Use: Penetrating Sealer

Manufacturer/Supplier: Textured Coatings of America, Inc.
2422 East 15th Street,
Panama City, FL 32405

Phone Number: 850-769-0347

Emergency Phone: 1-800-424-9300 (CHEMTREC)

Date of Preparation: December 30, 2016

Section 2: HAZARDS IDENTIFICATION

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Classification: Flammable Liquids Category 3
Eye Irritant Category 1

Signal Word: DANGER!

Hazard Statements: FLAMMABLE LIQUID AND VAPOR! MAY CAUSE SERIOUS EYE DAMAGE.

GHS Label Elements Symbol(s)



Precautionary Statements: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only with adequate ventilation to prevent buildup of vapors. Do not use in areas where vapors can accumulate and concentrate such as basements, bathrooms, or small enclosed areas. Wear protective clothing, gloves, eye, and face protection. Do not eat, drink or smoke when using this product. Wash hand thoroughly after handling. Take off contaminated clothing and wash it before reuse. Dispose of unused contents, container, and other contaminated wastes in accordance with local, state, federal, and provincial regulations.

If in Eye: Rinse cautiously with water for several minutes and remove contact lenses if present and easy to do. Continue rinsing and get medical attention if eye irritation persists.

If on Skin: Wash with plenty of soap and water.

If Swallowed: Rinse mouth and get medical attention if you feel unwell.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Potential Health Effects: **Eye:** May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May be harmful if swallowed.

Inhalation: May cause respiratory tract irritation.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin. May cause stomach distress, nausea or vomiting. Vapors may cause drowsiness and dizziness.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

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Hazards Not Otherwise Classified (HNOC): None known

Unknown Acute Toxicity: 0 % of the mixture consists of ingredient(s) of unknown toxicity.

Section 3: HAZARDS INFORMATION ON INGREDIENTS

Substance/mixture: Mixture

Ingredient	CAS #	Wt. %
Amino functional polydimethyl siloxane	67923-07-3	20 - 25
Ethyl Silicate	78-10-4	10 - 15
Acetic acid	64-19-7	5 - 10

The exact percentage (concentration) of composition has been withheld as a trade secret.

See section 8 for occupational exposure limit information

Section 4: FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: DO NOT induce vomiting. If victim is conscious and alert, give 2 cupfuls of water. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control immediately.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately. (Show the label or SDS where possible).

Note to Physicians: Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability: NFPA Class IC

Flash Point: 77 °F (25°C) Method Used: TAG Closed Cup

Auto-ignition Point: 310°C (590°F)

Fire and explosion hazards:

Warning! Flammable liquid and vapor. Reaction with water may cause a decrease of the flash point due to formation of volatile organic compound(s) (VOC). As a result of hydrolysis flammable vapors may accumulate in the container head space. Explosion limits for hydrolysis product: 5.5-44% v/v (methanol). Hazardous combustion products: nitrous oxides.

Unusual Fire and Explosion Hazards: No data available.

Hazardous Combustion Products: Nitrous gases.

Suitable Extinguishing Media: Carbon dioxide, dry chemical, water-mist or alcohol-resistant foam.

Unsuitable Extinguishing Media: sharp water jet, water-spray.

Protection of Firefighters: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

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Environmental Precautions: Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow entering waterways. Use appropriate Personal Protective Equipment (PPE). **HAZWOPER PPE Level: C**

Steps To Be Taken In Case Material Is Released Or Spilled: Isolate the immediate area. Prevent unauthorized entry. Eliminate all sources of ignition in area and downwind of the spill area. Stay upwind, out of low areas, and ventilate closed spaces before entering. All equipment used when handling this product must be grounded or non-sparking. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible absorbent material.

Other Information: Eliminate all sources of ignition.

Section 7: HANDLING AND STORAGE

Handling: Read carefully all cautions and directions on product label before use. Since empty container, retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container. Do not use near any source of heat or open flame, furnace areas, pilot lights, stoves, etc. Ensure all equipment is electrically grounded before beginning transfer operations. Avoid prolonged skin contact. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage: Keep out of the reach of children. Keep container tightly closed. Store in a cool, well ventilated place. Do not store near any source of heat or open flame, furnace areas, pilot lights, stoves, etc. Keep from freezing.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Respiratory Equipment (Specify Type)

For use in areas with inadequate ventilation or fresh air, wear a properly maintained and properly fitted NIOS approved respirator for organic solvent vapors. For OSHA controlled work places and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding the appropriate TLV. A dust mask does not provide protection against vapors.

Eye Protection

Chemical splash goggles should be worn to prevent eye contact.

Protective Gloves

Wear gloves with as much resistance to the chemical ingredients as possible. Glove materials such as nitrile rubber may provide protection. Glove selection should be based on chemicals being used and conditions of use. Consult your glove supplier for additional information. Gloves contaminated with product should be discarded and not reused.

Other Protective Clothing

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

Ventilation

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use only with adequate ventilation to prevent buildup of vapors. Do not use in areas where vapors can accumulate and concentrate, such as basements, bathrooms or small enclosed areas. Whenever possible, use outdoors in an open air area. **Do not use indoors.** In closed spaces, insure a cross ventilation of moving fresh air across and thru the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering -- STOP -- ventilation is inadequate. Leave area immediately and move to fresh air. Wash hands thoroughly after use and before eating, drinking, or smoking. Do not eat, drink, or smoke in the work area. Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower.

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Exposure Limits:

Ingredient	OSHA PEL, ACGIH-TLV
Methanol	OSHA PEL: 260mg/M3, 200 ppm, ACGIH TWA: 200ppm
Ethyl Silicate	OSHA PEL: 850mg/M3, 100ppm, ACGIH TWA: 10ppm
Acetic acid	OSHA PEL: 25mg/M3, 10ppm, ACGIH TWA: 10ppm
Ethanol	OSHA PEL: 1900mg/M3, 1000ppm,

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits. Ventilation equipment must be explosion proof.

Personal Protective Equipment:

Eye/Face Protection: Chemical safety glasses, goggles, and face shields.

Hand Protection: Impermeable chemical handling gloves for skin protection

Skin and Body Protection: Wear suitable Impermeable protective clothing.

Respiratory Protection: When spraying this material use a NIOSH approved cartridge respirator or gas mask suitable to keep airborne mists and vapor concentrations below the time weighted threshold limit values. When using in poorly ventilated and confined spaces, use a fresh-air supplying respirator or a self-contained breathing apparatus.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid.
Color:	Yellowish.
Odor:	Slight odor.
Odor Threshold:	Not available.
Physical State:	Liquid.
PH:	5.0 – 6.0
Viscosity:	50 - 60 KU
Freezing Point:	Not available.
Boiling Point:	Not available.
Flash Point:	77 °F (25°C)
Evaporation Rate:	Not available.
Lower Flammability Limit:	Not available.
Upper Flammability Limit:	Not available.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Specific Gravity:	0.96
Solubility in Water:	Insoluble.
Coefficient of Water/Oil Distribution:	Not available.
Auto-ignition Temperature:	590°F (310°C)
Percent Volatile, wt. %:	Not available.
VOC content:	Coatings VOC: 318 grams/liter

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.

Conditions to Avoid: Moisture.

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Incompatibility - Materials To Avoid: Reacts with: water, basic substances and acids. Reaction causes the formation of: methanol.

Hazardous Decomposition Or Byproducts: Under the effect of humidity, water and protic agents: methanol, ethanol. The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302°F) through oxidation.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Section 11: TOXICOLOGY INFORMATION**EFFECTS OF ACUTE EXPOSURE****Component Analysis**

Ingredient	LD ₅₀ (oral)	LD ₅₀ (Dermal)	LC ₅₀ (Inhalation)
Ethyl Silicate	>2500mg/kg rat	Not available	10 mg/l; 4 h rat (male), > 16.8 mg/l; 4 h rat (female),

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin: No acute toxic effects are expected.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: No known respiratory hazards. At prolonged inhalation at higher concentrations toxicological effects can't be excluded.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Not available.

Chronic Effects: None Known.

Carcinogenicity: Not Hazardous by WHMIS criteria.

Ingredient	Chemical Listed as Carcinogen or Potential Carcinogen*
None	Not Applicable

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS criteria.

Reproductive Effects: Not hazardous by WHMIS criteria.

Developmental Effects: Teratogenicity: Not hazardous by WHMIS criteria.

Embryotoxicity: Not hazardous by WHMIS criteria.

Respiratory Sensitization: Not hazardous by WHMIS criteria.

Skin Sensitization: Not hazardous by WHMIS criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No expected damaging effects to the aquatic environment.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS**Disposal Instructions:**

This material must be disposed of in accordance with all local, state, provincial, and federal regulations. Do not empty into drains.

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Section 14: TRANSPORTATION INFORMATION

US DOT, CANADA TDG Surface:

Valuation: Dangerous Goods
 Proper Shipping Name.....: Flammable liquid, n.o.s.
 Technical name.....: (contains Trimethoxy(2,4,4-trimethylpentyl)silane and Tetraethyl silicate)
 Class: 3
 UN no.: 1993
 Packaging Group: III
 Label: **TL:flammable liquid/3
 NAERG Guide.....: 128

TRANSPORT BY SEA IMDG / IMO:

Valuation: Dangerous Goods
 Class: 3
 Packaging Group: III
 UN no.: 1993
 Proper Shipping Name.....: Flammable liquid, n.o.s.
 Technical name.....: (contains Trimethoxy(2,4,4-trimethylpentyl)silane and Tetraethyl silicate)
 Marine Pollutant: no

AIR TRANSPORT ICAO-TI / IATA-DGR:

Valuation: Dangerous Goods
 Class: 3
 UN no.: 1993
 Proper Shipping Name.....: Flammable liquid, n.o.s.
 Technical name.....: (contains Trimethoxy(2,4,4-trimethylpentyl)silane and Tetraethyl silicate)
 Packaging Group: III

Section 15: REGULATORY INFORMATION

U.S. Federal regulations
TSCA inventory status and TSCA information:

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification:

This material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals:

Chemical	RQ	Upper limit wt. %
Acetic acid	5000 LBS	6.2973

SARA 302 EHS Chemicals:

This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class:

Fire hazard. Immediate (acute) health hazard.

SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above de minimus levels.

HAPS (Hazardous Air Pollutants):

Chemical	CAS#	Upper limit wt. %
Methanol	67-56-1	0.3128

U.S. State regulations
California Proposition 65 Carcinogens:

This product does not contain any chemicals known to State of California to cause cancer.

California Proposition 65 Reproductive Toxins: 67-56-1 Methanol

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Massachusetts Substance List: 67-56-1 Methanol, 78-10-4 Ethyl silicate

New Jersey Right-to-Know Hazardous Substance List: 67-56-1 Methanol, 78-10-4 Ethyl silicate

Pennsylvania Right-to-Know Hazardous Substance List: 67-56-1 Methanol, 78-10-4 Ethyl silicate

Canadian Regulations: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Global Inventories

Ingredient	DSL / NDSL
Ethyl Silicate	DSL
Acetic acid	DSL

WHMIS Classification(s):

Class B2 – Flammable and Combustible material

Class D2B – Toxic Material

WHMIS Hazard Symbols:



HMIS - Hazardous Materials Identification System

Health - 2*

Flammability - 3

Physical Hazard - 1

PPE – J

NFPA - National Fire Protection Association:

Health - 2

Fire - 3

Reactivity – 1

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

ACGIH (G) American Conference of Governmental Industrial Hygienists.

A1 - Confirmed human carcinogen.

A2 - Suspected human carcinogen.

A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen.

A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer.

1 - The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.

3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program.

1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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