

# MATERIAL SAFETY DATA SHEET

## Rainstopper® 1750W

### Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Rainstopper® 1750W

**Product Number:** RS1750W

**Product Use:** Sealer/Repellant

**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:** June 24, 2015

### Section 2: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

**DANGER!**

FLAMMABLE LIQUID AND VAPOR!

MAY CAUSE EYE IRRITATION. MAY CAUSE PERMANENT EYE DAMAGE.

**Potential Health Effects:** See Section 11 for more information.

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

- Eye:** May cause eye irritation.
- Skin:** No acute toxic effects are expected.
- Ingestion:** Not expected in industrial use
- Inhalation:** No known respiratory hazards.

**Chronic Effects:** None known

**Signs and Symptoms:** Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Medical Conditions Aggravated By Exposure:** Unknown

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

**Potential Environmental Effects:** No expected damaging effects to the aquatic environment.

**GHS Label Elements Symbol(s)**



### Section 3: HAZARDS INFORMATION ON INGREDIENTS

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

See section 8 for occupational exposure limit information

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### 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 MSDS where possible).
- Note to Physicians:** Symptoms may not appear immediately.

### Section 5: FIRE FIGHTING MEASURES

- Flammability Classification:** NFPA Class IC
- Flash Point:** 77 °F (25°C) Method Used: TAG Closed Cup
- Auto-ignition Point:** 590 °F (310°C)
- 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 firefighting 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.
- 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 to enter waterways. Use appropriate Personal Protective Equipment (PPE). **HAZWOPER PPE Level: C**
- Methods for Clean-Up:** Scoop up material and place in a disposal container. Provide ventilation.
- Other Information:** Eliminate all sources of ignition.

### Section 7: HANDLING AND STORAGE

- Handling:** 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. Keep from freezing.

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<b>Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Exposure Guidelines**
**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.

**Personal Protective Equipment:**

**Eye/Face Protection:** Wear eye/face protection.

**Hand Protection:** Wear suitable gloves.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

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

<b>Section 9: PHYSICAL AND CHEMICAL PROPERTIES</b>
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<b>Appearance:</b>	liquid.
<b>Color:</b>	yellowish
<b>Odor:</b>	slight odor.
<b>Odor Threshold:</b>	Not available.
<b>Physical State:</b>	Liquid.
<b>PH:</b>	5.0 - 6.0
<b>Viscosity:</b>	50 - 60 KU
<b>Freezing Point:</b>	Not available.
<b>Boiling Point:</b>	Not available
<b>Flash Point:</b>	77 °F (25°C)
<b>Evaporation Rate:</b>	Not available.
<b>Lower Flammability Limit:</b>	Not available.
<b>Upper Flammability Limit:</b>	Not available.
<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	Not available.
<b>Specific Gravity:</b>	0.96
<b>Solubility in Water:</b>	Dispersible.
<b>Coefficient of Water/Oil Distribution:</b>	Not available.
<b>Auto-ignition Temperature:</b>	590 °F (310°C)
<b>Percent Volatile, wt. %:</b>	Not available.
<b>VOC content:</b>	Coatings VOC: 318 grams/liter; Material VOC: 318 grams/liter Maximum VOC 350 grams/liter

<b>Section 10: STABILITY AND REACTIVITY</b>
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**Stability:** Stable under normal storage conditions.

**Conditions to Avoid:** Moisture

**Incompatible Materials:** Reacts with: water, basic substances and acids. Reaction causes the formation of: methanol.

**Hazardous Decomposition Products:** 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:** No dangerous reaction known under conditions of normal use.

<b>Section 11: TOXICOLOGY INFORMATION</b>
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### EFFECTS OF ACUTE EXPOSURE

#### Component Analysis

Ingredient	LD50 (oral)	LC50 (by inhalation)
Ethyl Silicate	>2500mg/kg rat	10 mg/l; 4 h rat (male), > 16.8 mg/l; 4 h rat (female),

**Eye:** May cause eye irritation or permanent eye damage. 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
None	

\* 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.

<b>Section 12: ECOLOGICAL INFORMATION</b>
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**Ecotoxicity:** No expected damaging effects to the aquatic environment.

**Persistence / Degradability:** Not available.

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**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

<b>Section 13: DISPOSAL CONSIDERATIONS</b>
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**Disposal Instructions:**

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

<b>Section 14: TRANSPORTATION INFORMATION</b>
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**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

<b>Section 15: REGULATORY INFORMATION</b>
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**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):**

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

### U.S. State regulations

#### California Proposition 65 Carcinogens:

This material does not contain any chemicals known to the state of California to cause cancer.

#### California Proposition 65 Reproductive Toxins:

67-56-1 Methanol

#### Massachusetts Substance List:

64-19-7 Acetic acid

78-10-4 Ethyl silicate

#### New Jersey Right-to-Know Hazardous Substance List:

64-19-7 Acetic acid

78-10-4 Ethyl silicate

#### Pennsylvania Right-to-Know Hazardous Substance List:

64-19-7 Acetic acid

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 MSDS contains all the information required by the Controlled Products Regulations.

### Global Inventories

Ingredient	DSL / NDSL
Ethyl Silicate	DSL
Acetic acid	DSL

### 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

### WHMIS Classification(s):

Class B2 – Flammable and Combustible material

Class D2B – Eye irritation

### WHMIS Hazard Symbols:



### 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.

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**NTP (N)** National Toxicology Program.  
1 - Known to be carcinogens.  
2 - Reasonably anticipated to be carcinogens.

<b>Section 16: OTHER INFORMATION</b>
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**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.

**Expiry Date: 5/31/2018**

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