

VR UltraLite (Green Roofs)

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VR EdgeGuard VR DrainGuard VR Edging Leveling Strip

SECTION 1 PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME VR EDGEGUARD
VR DRAINGUARD
VR EDGING LEVELING STRIP

COMPANY TREMCO INC

Tremco Commercial Sealants & Waterproofing
www.tremcosealants.com

United States Canada
T: 1.800.321.7906 (8:30 - 5:00 EST) T: 1.800.363.3213 (8:30 - 5:00 EST)

EMERGENCY PHONE

1.800.562.2728 (8:30 - 5:00 EST)
AFTER HOURS: 1.800.424.9300

Tremco Roofing & Building Maintenance

www.tremcoroofing.com

United States Canada

T: 1.800.526.2728 (8:30 - 5:00 EST) T: 1.800.668.9879 (8:30 - 5:00 EST)

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview

No serious effects anticipated under normal conditions of use.

Acute Potential Health Effects

Routes of Entry

Inhalation:

Not applicable under normal conditions of use.

Eyes:

Not applicable under normal conditions of use.

Ingestion:

Not applicable under normal conditions of use.

Skin:

Not applicable under normal conditions of use.

AGGRAVATED MEDICAL CONDITIONS

Pre-existing disorders involving any target organs may be aggravated by over-exposure.

CHRONIC HEALTH EFFECTS

Contains material that may cause target organ damage. Not applicable for metal solid form.

Eye contact: Get medical attention if any damage to the eye is caused by the metal. Get medical attention if irritation occurs.

Skin contact: Cuts should be treated promptly and covered. In Case of burns with heated material cool affected skin with cold water until medical attention can be obtained.

SECTION 5 FIRE FIGHTING MEASURES

Flash point: Not applicable.

Method: Not applicable.

Autoignition: Not applicable.

Lower explosion limit: Not applicable.

Upper explosion limit: Not applicable.

Extinguishing media:

Use a class D dry powder extinguisher. Avoid use of water, foam, halogenated extinguisher agents.

Hazardous combustion: Not available.

SECTION 3 PRODUCT COMPOSITION

This is not a hazardous material as defined in the OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 4 FIRST AID MEASURES

No adverse health effects are expected from exposure to this product.

Inhalation: Seek medical attention.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Recycle, if possible. Take care with items that are sharp or heavy. Do not attempt to arrest the flow of molten aluminium with shovels, hand tools or footwear.

SECTION 7 HANDLING AND STORAGE

Take care with items that are sharp or heavy. Use standard techniques to check metal temperature before handling.

VR EdgeGuard, VR DrainGuard, VR Edging Leveling Strip

SECTION 8 EXPOSURE CONTROLS

Respiratory protection: Recommended, if workers are exposed to concentration above the exposure limit.

Hand protection: Protect hands with strong, cut-resistant gloves use for handling metals.

Eye protection: Wear appropriate eye protection.

SECTION 9 PHYSICAL & CHEMICAL PROPERTIES

| | |
|-------------------|-------------------|
| Form: | Solid, Metal. |
| Color: | Silvery Grey. |
| Odor: | odorless. |
| PH: | Not available. |
| Vapor Pressure: | Not available. |
| Vapor Density: | Not available. |
| Melting Point: | 1220 °F (660 °C). |
| Freezing Point: | 1220 °F (660 °C). |
| Boiling Point: | Not available. |
| Water Solubility: | Insoluble. |
| Specific Gravity: | Not available. |
| Volatile Weight: | Not available. |

SECTION 10 REACTIVITY / STABILITY

| | |
|---------------------------|-----------------|
| Substances to avoid: | Not Applicable. |
| Stability: | Stable. |
| Hazardous polymerization: | Not Applicable. |

SECTION 11 TOXICOLOGICAL INFORMATION

No health effects are expected.

SECTION 12 ECOLOGICAL INFORMATION

Not readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Recycle, if possible.
Incineration in accordance with applicable regulations is the recommended disposal method.

SECTION 14 TRANSPORTATION / SHIPPING DATA

DOT, TDG, ADR/RID, IMDG and IATA-DGR
Classification for this product is: Not Regulated.

SECTION 15 REGULATORY INFORMATION

HCS Classification:

Target organ effects.

U.S. Federal regulation:

- TSCA 8 IUR Exempt/Partial exemption: Not determined.
- United States inventory: All components are listed or exempted.
- SARA 302/304/311/312 extremely hazardous substances: No products were found.
- SARA 302/304 emergency planning and notification: No products were found.
- SARA 302/304/311/312 hazardous chemicals: Silicon.
- SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Silicon, Fire hazard, Immediate (acute) health hazard.
- Clean Water Act (CWA) 307: Copper, Zinc, Chromium.

Clean Air Act Section 112 (HAPs):

Not listed.

Clean Air Act 602 Class I & II Substances:

Not listed.

DEA List I & II Chemicals:

Not listed.

State Regulations:

Massachusetts: Aluminum, Silicon Dust are listed.

New York: None of the components are listed.

New Jersey: Aluminum, Silicon are listed.

Pennsylvania: Aluminum, Silicon are listed.

Canada Regulations:

WHMIS: Not controlled.

Canadian NPRI: Aluminum is listed.

Canada inventory: All components are listed or exempted.

SECTION 16 OTHER INFORMATION

HMIS Rating:

| | |
|--------------|---|
| Health | 0 |
| Flammability | 0 |
| Reactivity | 0 |
| PPE | |

0 = Minimum
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Legend

CERCLA: Comprehensive Emergency Response, Compensation and Liability Act

DOT: Department of Transportation

HMIS: Hazardous Materials Identification System

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods

OSHA: Occupational Safety and Health Administration

NTP: National Toxicology Program

SARA: Superfund Amendment Reauthorization Act

TSCA: Toxic Substance Control Act

TDG: Transportation of Dangerous Goods

WHMIS: Workplace Hazardous Materials Information System

VR MoistureMat

SECTION 1 PRODUCT & COMPANY IDENTIFICATION

| | | |
|---|-------------------------------------|---|
| PRODUCT NAME | VR MOISTUREMAT | EMERGENCY PHONE |
| COMPANY | TREMCO INC | 1.800.562.2728 (8:30 - 5:00 EST) AFTER HOURS: 1.800.424.9300 |
| <i>Tremco Commercial Sealants & Waterproofing</i> www.tremcosealants.com | | <i>Tremco Roofing & Building Maintenance</i> www.tremcoroofing.com |
| United States | Canada | United States |
| T: 1.800.321.7906 (8:30 - 5:00 EST) | T: 1.800.363.3213 (8:30 - 5:00 EST) | T: 1.800.526.2728 (8:30 - 5:00 EST) T: 1.800.668.9879 (8:30 - 5:00 EST) |

SECTION 2 HAZARDS IDENTIFICATION

Emergency Overview

Accidental thermal decomposition or melting state can present hazards.

Acute Potential Health Effects

Routes of Entry

Inhalation:

Not applicable under normal conditions of use.

Eyes:

Not applicable under normal conditions of use.

Ingestion:

Not applicable under normal conditions of use.

Skin:

Not applicable under normal conditions of use.

CLASSIFICATION

Not classified as a hazard product related to directive EC 67/548 or EC 1999/45.

SECTION 3 PRODUCT COMPOSITION

Needle-punched felt based on a fiber mix of polyester (PET), polyamide (PA), cotton and wool. Chemical Safety Report is not required. Contains no Hazardous Ingredients (EC) 1907/2006.

| INGREDIENT | PERCENTAGE | CAS-NO. |
|------------|------------|------------|
| PA | 20-50 | 25038-59-9 |
| PET | 50-20 | 25038-54-4 |
| COTTON | 30-25 | 9004-34-6 |
| WOOL | 0-5 | NA |

SECTION 4 FIRST AID MEASURES

Eye contact:

No need for first aid is anticipated.

Eye contact:

No need for first aid is anticipated.

Ingestion:

No need for first aid is anticipated.

Skin contact:

No need for first aid is anticipated.

SECTION 5 FIRE FIGHTING MEASURES

Not classified as flammable.

Extinguishing media:

Water fog, foam, carbon dioxide, dry chemical.

Special fire fighting protective:

A self-contained breathing apparatus and suitable protective clothing

Other information: Combustible.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Clean-up Methods: No specific cleaning methods.

SECTION 7 HANDLING AND STORAGE

No specific requirement.

VR MoistureMat

SECTION 8 EXPOSURE CONTROLS

Respiratory protection:
Not required under normal conditions of use.

Hand protection:
Not required under normal conditions of use.

Eye protection:
Not required under normal conditions of use.

Hygiene measures:
Not required under normal conditions of use.

SECTION 9 PHYSICAL & CHEMICAL PROPERTIES

Form: Solid.

Color: Multicolor.

Odor: Neutral.

PH: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Melting Point: 200-220 °C.

Autoignition: 450 °C.

Auto-flammability: Approx. 350 °C.

Water Solubility: Insoluble.

Specific Gravity: Not available.

Viscosity: Solid.

SECTION 10 REACTIVITY / STABILITY

Substances to avoid: Molten Materials.

Stability: Stable.

Hazardous polymerization: Not available.

SECTION 11 TOXICOLOGICAL INFORMATION

No toxicological reactions/effects known under normal conditions.

SECTION 12 ECOLOGICAL INFORMATION

Environmental damage of this product is not known.

SECTION 13 DISPOSAL CONSIDERATIONS

Non hazardous solid waste in compliance with state and local regulation can be disposed towards:

- Landfill
- Recycling
- Incineration

SECTION 14 TRANSPORTATION / SHIPPING DATA

Not special request. Not classified in ADR - RID - ADN - ADNR - IMDG - ICAO/IATA

SECTION 15 REGULATORY INFORMATION

Chemical Safety Report: Not required.

Labelling according to EC directives: Not required.

Hazard Information: Not applicable.

Safety information (Precaution): Not applicable.

SECTION 16 OTHER INFORMATION

HMIS Rating:

| | |
|--------------|-----|
| Health | N/A |
| Flammability | N/A |
| Reactivity | N/A |
| PPE | |

0 = Minimum
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Legend

CERCLA: Comprehensive Emergency Response, Compensation and Liability Act
DOT - Department of Transportation
HMIS: Hazardous Materials Identification System
OSHA: Occupational Safety and Health Administration
SARA: Superfund Amendment Reauthorization Act
TSCA - Toxic Substances Control Act
WHMIS - Workplace Hazardous Materials

VR RootBloc 20

SECTION 1 PRODUCT & COMPANY IDENTIFICATION

| | |
|--|---|
| <p>PRODUCT NAME VR ROOTBLOC 20</p> <p>COMPANY TREMCO INC</p> <p><i>Tremco Commercial Sealants & Waterproofing</i> www.tremcosealants.com</p> <p>United States Canada T: 1.800.321.7906 (8:30 - 5:00 EST) T: 1.800.363.3213 (8:30 - 5:00 EST)</p> | <p>EMERGENCY PHONE</p> <p>1.800.562.2728 (8:30 - 5:00 EST) AFTER HOURS: 1.800.424.9300</p> <p><i>Tremco Roofing & Building Maintenance</i> www.tremcoroofing.com</p> <p>United States Canada T: 1.800.526.2728 (8:30 - 5:00 EST) T: 1.800.668.9879 (8:30 - 5:00 EST)</p> |
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SECTION 2 HAZARDS IDENTIFICATION

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Routes of Entry

Inhalation:

Not applicable under normal conditions of use.

Eyes:

Not applicable under normal conditions of use.

Ingestion:

Not applicable under normal conditions of use.

Skin:

Not applicable under normal conditions of use.

CLASSIFICATION

Not classified as a hazard product related to directive EC 67/548 or EC 1999/45.

Eye contact: Not applicable under normal conditions of use.

Ingestion: Not applicable under normal conditions of use.

Skin contact: Not applicable under normal conditions of use.

SECTION 5 FIRE FIGHTING MEASURES

Not classified as flammable.

Flash point: Not available.

Method: Not available.

Lower explosion limit: Not available.

Upper explosion limit: Not available.

Extinguishing media:

A self-contained breathing apparatus and suitable protective clothing must be worn in fire conditions.

Other information: Combustible.

SECTION 3 PRODUCT COMPOSITION

Chemical Safety Report is not required. Contains no Hazardous Ingredients (EC) 1907/2006.

| INGREDIENT | PERCENTAGE | CAS-NO. |
|--------------|------------|------------|
| Polyethylene | 90 | 24937-78-8 |
| Additive | 10 | NA |

SECTION 4 FIRST AID MEASURES

Inhalation: Not applicable under normal conditions of use.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Clean-up Methods: No specific cleaning methods.

SECTION 7 HANDLING AND STORAGE

No specific requirement.

VR RootBloc 20

SECTION 8 EXPOSURE CONTROLS

Respiratory protection:
Not required under normal conditions of use.

Hand protection:
Not required under normal conditions of use.

Eye protection:
Not required under normal conditions of use.

SECTION 9 PHYSICAL & CHEMICAL PROPERTIES

Form: Solid.

Color: Black.

Odor: Typical.

PH: Not applicable.

Vapor Pressure: Not available.

Vapor Density: Not available.

Melting Point: 95-115 °C.

Auto-flammability: Approx. 340 °C.

Boiling Point: Not applicable.

Water Solubility: Insoluble.

Viscosity: Solid.

Partition Coefficient: Not applicable.

SECTION 10 REACTIVITY / STABILITY

Substances to avoid: Molten Materials.

Stability: Stable.

Hazardous polymerization: Not available.

SECTION 11 TOXICOLOGICAL INFORMATION

No toxicological reactions/effects known under normal conditions.

SECTION 12 ECOLOGICAL INFORMATION

Environmental damage of this product is not known.

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Non hazardous solid waste in compliance with state and local regulation can be disposed towards:

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Hazard Information: Not applicable.

Safety information (Precaution): Not applicable.

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HMIS Rating:

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| Health | N/A |
| Flammability | N/A |
| Reactivity | N/A |
| PPE | |

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Legend

CERCLA: Comprehensive Emergency Response, Compensation and Liability Act
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
OSHA: Occupational Safety and Health Administration
NTP: National Toxicology Program
SARA: Superfund Amendment Reauthorization Act
TSCA: Toxic Substance Control Act