

MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Xtreme Engineered Floor Systems
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Product Name: REV M.V.P. (Moisture Vapor Protection)

Product Description: Clear, Pre-Polymer

Product Code: T11000 (Part A)

Chemical Family: Epoxy Resin

SECTION II – HAZARDS IDENTIFICATION

Emergency Overview

Physical state	Viscous liquid
Color	Red
Signal word	Warning!
Hazard statements	Causes eye and skin irritation. May cause allergic skin reaction. May cause respiratory tract irritation. Contains material that may cause target organ damage. Heated material may cause thermal burns.
Precautionary measures	Do not breathe vapors or mist. Use only with adequate ventilation. Do not eat, drink or smoke when using this product. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Wash thoroughly after handling.
OSHA/HCS status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Potential Acute Health Effects

Inhalation	Slightly irritating to the respiratory system
Ingestion	Not expected to be harmful under normal conditions of use.
Skin	Irritating to the skin. May cause sensitization by skin contact. Heated material can cause thermal burns.
Eyes	Irritating to the eyes.

Potential Chronic Health Effects

Chronic effects	Contains material that may cause target organ damage, based on animal data. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.

Target organs	Not available
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Over Exposure Signs & Symptoms

Inhalation	Adverse symptoms may include respiratory tract irritation and coughing.
Ingestion	No specific data
Skin	Adverse symptoms may include irritation and redness.
Eyes	Adverse symptoms may include irritation, watering and redness.
Medical conditions aggravated by over exposure	Pre existing skin disorders and disorders involving any target organs mentioned in this S.D.S. may be aggravated by over exposure to this product.

SECTION III – PRODUCT COMPOSITION

Chemical Name	CAS #	% By Weight
Epoxy Resin	28064-14-4	30-50%
Epoxy Resin	106-89-8	20-40%
Epoxy Diluent Blend	Trade Secret	5-15%
Adhesion Promoter	Trade Secret	2-4%

SECTION IV – FIRST AID MEASURES

-General Information: In case of accident or if you feel unwell, seek medical advice.

-Inhalation: Provide fresh air.

-Skin Contact: Wash with plenty of water and soap. In the event of a visible skin change or other complaints, seek medical advice.

-Eye Contact: Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

-Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical advice

-Notes to Physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Solidified waxes or hot melts may be removed from small areas by softening the material using a cotton pad saturated with olive oil or medicinal grade paraffin oil before treating for burns.

SECTION V – FIRE FIGHTING MEASURES

Extinguishing Media

Water Spray, dry chemical, carbon dioxide or foam.

Fire Fighting Instructions

Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire fighting equipment should be thoroughly decontaminated after use.

Hazardous Thermal Decomposition Products

May include: carbon dioxide, carbon monoxide, halogenated compounds, carbon oxides.

SECTION VI – ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Contain spilled liquid with sand or earth. Clean up spill immediately, observing precautions in the Personal Protection section of SDS. Avoid runoff into storm sewers and ditches which lead to waterways.

Methods for Containment and Clean up

Take up mechanically and dispose of according to local, state and federal regulations.

For small amounts, absorb with a liquid binding material such as diatomaceous earth and dispose of according to local, state and federal regulations. Contain larger amounts and pump up into suitable containers. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction. Contaminated absorbent material may pose the same hazard as the spilled product.

SECTION VII – HANDLING AND STORAGE

Handling

Put on appropriate personal protective equipment (see section 8 of S.D.S.). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage

Store in accordance with local regulations. Store in the original container protected from direct sun light in a dry, cool and well ventilated area away from incompatible materials (see section 10 of S.D.S.) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

No exposure standard allocated. Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, work place atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory

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protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods in determining hazardous substances will also be required.

Engineering Measures

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the work place. Wash contaminated clothing before reusing. Ensure that wash stations and safety showers are close to the work place station.

Personal Protection

Respiratory

Use a properly fitted, air purifying or air fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands

Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is

necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to break through for any glove material may be different for different glove manufacturers. In the case of mixtures consisting of several substances, the protection time of the glove cannot be accurately estimated.

Eyes

Safety eye wear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, chemical splash goggles should be worn unless the assessment suggests a higher degree of protection.

Skin

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, viscous liquid.

Odor: Mild

P.h.: N/A

Melting/Freezing point: Not available

Initial boiling point and range: 260 degrees, C

Flash Point: Pensky-Martens closed cup: 251 deg.C (ASTM D 93)

Evaporation rate: Not available

Flammability: Burning time and rate- Not available.

Upper/Lower flammability or explosive limits: Not available

Vapor pressure: 0.03 mbar @ 77 deg.F

Vapor density: Not available

Solubility in water: Negligible

Partition coefficient: n-octanal/water: Not available

Auto ignition temperature: Not available

SECTION X – STABILITY AND REACTIVITY

Reactivity: This material is chemically stable under specified conditions or storage, shipment and/or use.

Chemical Stability: This product is stable.

Conditions to Avoid: No specific data.

Incompatible Materials: No specific data.

Hazardous Decomposition Products: Decomposition products may include the following materials: Carbon Oxide

Possibility of Hazardous Reactions: Hazardous reactions will not occur under normal conditions of storage and use.

Other Hazards: Reacts with considerable heat release with some curing agents.

SECTION XI – TOXICOLOGICAL INFORMATION

Acute Toxicity

Not classified

Carcinogenicity

ACGIH: Not

classified IARC: Not

classified NTP: Not

listed OSHA: Not

classified

SECTION XII – ECOLOGICAL INFORMATION

Environmental Effects

No known significant effects or critical hazards.

Other Adverse Effects

No known significant effects or critical hazards.

SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal

Material that cannot be used or chemically reprocessed must be disposed of at an approved facility in accordance with local government regulations. Completely discharge containers in accordance with local, state and federal regulations.

SECTION XIV – TRANSPORT INFORMATION

DOT: Class not regulated

IMDG (International maritime dangerous goods code): Class not regulated

IATA: Class not regulated

SECTION XV – REGULATORY INFORMATION

US Regulations

HCS Classification: Irritating material, Sensitizing material, target organ effects.

Federal Regulations:

SARA 311/312 Classification: Immediate acute health hazard, delayed chronic health hazard, reactive.

SARA 313- Supplier Notification: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C- Supplier Notification Requirement Of 40 CFR, Part 372: None required.

SARA 302 (Extremely Hazardous Substances): None required.

State Regulations:

Massachusetts RTK Substances: None required

New Jersey RTK Hazardous Substances: None required

Pennsylvania RTK Hazardous Substances: None required

California Prop 65: WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm: Epichlorohydrin (CAS# 106-89-8)

Canada:

WHMIS (Canada) Class D-2B: Material causing other toxic effects (toxic)

Canadian Lists: Canadian NPRI: None required.

SECTION XVI – OTHER INFORMATION

HMIS hazard Ratings: Health: -2- Flammability: -1- Chemical Reactivity: -0-

The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users

Should consider these data only as supplement to other information. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customer, and the protection of the environment.

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