Material Safety Data Sheet

X-Tenda Coat™ EPDM Activator **MSDS No. 303495**

Date of Preparation:1/5/2009 Revision: 006

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: X-Tenda Coat™ EPDM Activator
Chemical Formula: Mixture
CAS Number: N/A
Other Designations: N/A
General Use: Wash primer for coating EPDM membranes
Manufacturer: Versico, LLC, 1285 Ritner Highway, Carlisle, PA 17013, Phone 800-992-7663
(Business hours 8:00 a.m. to 5:00 p.m.), **(For Transportation Emergencies Call Chemtrec: 800/424-9300)**

Section 2 - Hazards Identification

☆☆☆☆☆ **Emergency Overview** ☆☆☆☆☆
Appearance/odor: Pink liquid, mild odor
WARNING: Severe irritant, corrosive.

HMIS	
H	3
F	0
R	0
PPE †	

†Sec. 8

Potential Health Effects

Primary Entry Routes: Eye contact, ingestion, inhalation, skin contact
Acute Effects

Inhalation: Inhalation of vapor or mist can cause severe irritation of the nose, throat, and lungs.

Eye: Material can cause severe irritation, pain, tearing, corneal burns, permanent eye injury.

Skin: Prolonged or repeated skin contact can cause moderate skin irritation and reddening. Contact with moist skin will cause chemical burns.

Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Carcinogenicity: IARC, NTP, and OSHA do not list EPDM Coating Primer as a carcinogen.

Section 3 - Composition / Information on Ingredients

Hazardous Ingredients	CAS Number	% wt *or* % vol
INORGANIC SALTS	*TRADE SECRET	10
ANIONIC/NONIONIC SURFACTANT MIXTURE	*TRADE SECRET	2
Additional Ingredients		
WATER	7732-18-5	88

***Trade secret maintained by the manufacturer of the raw material

Section 4 - First Aid Measures

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, administer oxygen. Only trained personnel should administer oxygen. Prevent aspiration of vomit. Turn victims head to the side. Assure open airway. Call a physician immediately.

Eye Contact: Hold eyelids apart and immediately flush with plenty of water for at least 15 minutes. Consult a physician

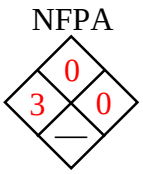
Skin Contact: Remove product and immediately flush affected area with water for at least 15 minutes. Control shock if present. Discard or launder contaminated clothing before reuse. Contaminated leather wear should be discarded.

Ingestion: If swallowed, do not induce vomiting. Administer 2 glasses of water. If vomiting occurs, give fluids again. Never give anything by mouth to an unconscious or convulsing person. **Obtain medical care and hospital treatment immediately**.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: No specific antidote. Supportive care, treatment based on judgment of the physician in response to reactions of the patient.

Section 5 - Fire-Fighting Measures



Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Fire-Fighting Instructions: Do not enter any enclosed or confined fire space without full protective equipment, including self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) to protect against the hazardous effects of combustion products and oxygen deficiency.
Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

Section 6 - Accidental Release Measures

Personal Precautions: Use personal protective equipment recommended in Section 8.
Environmental Precautions: WARNING: KEEP SPILLS AND CLEANING RUNOFFS OUT OF MUNICIPAL SEWERS AND OPEN BODIES OF WATER. NOTE: Spills on porous surfaces can contaminate groundwater.
Spill /Leak Procedures:
Small Spills: Contain spills immediately with inert materials (e.g. sand, earth). If material is spilled in a confined area, ventilate the area well. Keep spectators away. Floor may be slippery; use care to avoid falling. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

Large Spills Use same procedure as small spill.

Containment: For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.
Cleanup:
Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: This material is a severe irritant. Wash after handling and shower at end of work period. Do not handle material near food or drinking water.
Storage Requirements: Keep from freezing. Keep container cool and dry. Use and store this product with adequate ventilation. Keep product containers tightly closed when not in use. Avoid subjecting this product to extreme temperature variations.

Section 8 - Exposure Controls / Personal Protection

Use Respiratory Protection to Avoid Inhalation of Aerosol/Mist

Engineering Controls:
Ventilation: Provide general or local exhaust ventilation systems with a minimum capture velocity of 100 ft/min at the point of vapor evolution to maintain airborne concentrations below OSHA PELs for mists/dusts of 10mg/m^3. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.
Administrative Controls:
Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear a SCBA.
Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.
Protective Clothing/Equipment: Wear chemically protective gloves, boots with rubber soles, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.
Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.
Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Flash Point: Non-combustible.
Flash Point Method: N/A
Autoignition Temperature: N/A
LEL: N/A
UEL: N/A
Physical State: Liquid
Appearance and Odor: Pink liquid, mild odor.
Odor Threshold: Not available

Boiling Point: 215°F (101°C)
Freezing/Melting Point: 32° F (0°C)
% VOC: 0.0%
Evaporation Rate: as water
Vapor Pressure: Not known
Vapor Density (Air=1): Heavier than air.
Specific Gravity (H_2O=1, at 4 °C): 1.0016
pH: 13.0 – 13.5

Section 10 - Stability and Reactivity

Stability: EPDM Coating Primer is stable at room temperature in closed containers under normal storage and handling conditions.
Possibility of Hazardous Reactions: Not expected to occur.
Chemical Incompatibilities: Strong oxidizers, strong reducing agents, strong bases, strong acids, aluminum, and strong mineral acids.
Conditions to Avoid: Do not expose to extreme heat or extreme cold.
Hazardous Decomposition Products: None known.

Section 11- Toxicological Information

Toxicity Data:

This product has not been tested. No data is available.

*Data is for individual components of preparation that appear as hazardous.
Toxicological data for mixture is Unknown.

EYE:
Component: Anionic/nonionic surfactant mixture
Eye irritation – rabbit: Severe eye irritation

SKIN:
Mixture: rabbit: Slight irritation

Component: Anionic/nonionic surfactant mixture
Acute dermal toxicity: LD50 – Rabbit: 12,000 mg/kg

INGESTION:
Component: Anionic/nonionic surfactant mixture
Acute oral toxicity: LD50 – Rat: 700 mg/kg

INHALATION:
Component: Anionic/nonionic surfactant mixture
Acute inhalation toxicity: LC50 – Rat: > 21.5 mg/l

SUBCHRONIC:
Effects of short-term exposure: Severe eye irritation, slight skin irritation, if swallowed; severe irritation of the mouth, throat, and digestive tract. Inhalation of vapor or mist can cause severe irritation of nose, throat, and lungs.

Section 12 - Ecological Information

ECOTOXICOLOGICAL INFORMATION:
Toxicity to fish LC50 Rainbow trout (Oncorhynchus mykiss) 96 h > 1,000 mg/l
Toxicity to fish NOEC Rainbow trout (Oncorhynchus mykiss) 96 h 500 mg/l
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Toxicity to algae EC50 Algae (Selenastrum capricornutum) 96 h > 1,000 mg/lbased on cell density, growth rate and biomass
Toxicity to algae NOEC Algae (Selenastrum capricornutum) 96 h 1,000 mg/lbased on cell density and growth rate
Toxicity to algae NOEC Algae (Selenastrum capricornutum) 96 h 250 mg/lbased on biomass
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Toxicity to aquatic invertebrates EC50 Daphnia magna 48 h > 1,000 mg/l

Toxicity to aquatic invertebrates NOEC Daphnia magna 48 h 500 mg/l

CHEMICAL FATE INFORMATION:
Spills on porous surfaces can contaminate groundwater.

Section 13 - Disposal Considerations

Disposal: Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Empty containers will retain product residue and vapors and are subject to proper waste disposal, as above.

Waste Classification: 40 CFR 261.20 - .24 - **Characteristic Waste D002**
When a decision is made to discard this material as supplied, it is classified as a RCRA hazardous waste with the characteristic of corrosivity. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Caustic alkali liquid, n.o.s. (sodium metasilicate),
Shipping Symbols: Corrosive
Hazard Class: 8
ID No.: UN1719
Packing Group: III
Label: Corrosive label required
Special Provisions (172.102):
IB3, T7, TP1, TP28

Packaging Authorizations
a) Exceptions: 154
b) Non-bulk Packaging: 203
c) Bulk Packaging: 241

Quantity Limitations
a) Passenger, Aircraft, or Railcar: 5L
b) Cargo Aircraft Only: 60L

Vessel Stowage Requirements
a) Vessel Stowage: A
b) Other: 29

Section 15 - Regulatory Information

U.S. Federal Regulations

Status of substance lists: The concentrations shown in section 2 are maximums for ceiling levels (weight %) to be used for calculations for regulations.

Federal EPA: Comprehensive environmental response, compensation and liability act of 1980 (CERCLA) requires notification of the national response center of release of quantities of hazardous substances equal to or greater than the reportable quantities (rqs) in 40 CFR 302.4.
This material is or contains chemical(s) listed in 40 CFR Table 302.4 or nondesignated RCRA ICR substance(s). (Nondesignated ICR substances apply to materials that will not be reused.)

Components present in this product at a level that could require reporting under the statute are:
Mixture: D002, 100lbs.

Superfund amendments and reauthorization act of 1986 (SARA) Title III.
Requires emergency planning based on threshold planning quantities (tpqs) and release reporting based on reportable quantities (rqs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level that could require reporting under the statute are: See Sect. 2

Requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). this information must be included in all MSDSs that are copied and distributed for this material.

Components present in this product at a level that could require reporting under the statute are: See Sect. 2.

Toxic Substances Control Act (TSCA) status:

The components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) chemical substance inventory. This mixture has not been tested as a whole to determine whether the mixture is a health hazard. The mixture shall be assumed to present the same health hazards as do the components which comprise one percent (by weight or volume) or

greater of the mixture, except that the mixture shall be assumed to present a carcinogenic hazard if it has a component in concentrations of 0.1 percent or greater that is considered to be a carcinogen. For a list of hazardous ingredients:
SEE SECTION 2

The remaining percentage of unspecified ingredients, if any, are not contained in above de minimis concentrations and/or are believed to be non-hazardous under the OSHA hazard communication standard (29 cfr 1910.1200), and may consist of pigments, fillers, defoamers, wetting agents, anti-bacterial agents, resins, dryers, water and/or solvents in varying concentrations.

State Regulations:

California Proposition 65:

This product contains trace levels of a component or components known to the state of California to cause cancer:

None known

This product contains trace levels of a component or components known to the state of California to cause cancer and birth defects or other reproductive harm:

None known

Section 16 - Other Information

Prepared By: Research and Development
Revision Notes: Name change.

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