

XenTx Extreme Transmission Treatment Material Safety Data Sheet



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Prepared according to 29CFR 1910.1200.

Section 1 - Chemical Product and Company Identification

EMTA Corp.
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Tel: (480) 222-6222
Product Trade Name XenTx Extreme Transmission Treatment
CAS Number Not applicable for mixtures.
Synonyms None.
Generic Chemical Name Mixture.
Product Type Multipurpose.
Preparation/Revision Date 10 August 2006
Transportation Emergency
Phone No. (CHEMTREC) 1-800-424-9300. Outside the U.S. (703) 527-3887
MSDS No. 23919441-7012412-4012650-811103

Section 2 - Hazards Identification

Appearance: Clear liquid.
Odor: Mild
Principal Hazards CAUTION.
MAY CAUSE EYE IRRITATION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.
See Section 11 for complete health hazard information.

Section 3 - Composition/Information on Ingredients

Hazardous Ingredients

(N/E) - None established

Comp CAS No. Percentage (by wt.) Carcinogen

Methacrylate copolymer Confidential. From 30 to 39.9 percent N/E

Alkylphosphite 1809-19-4 From 1 to 4.9 percent N/E

Diphenylamine 122-39-4 From 0.1 to 0.9 percent N/E

Section 4 - First Aid Measures

Eyes Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.

Skin: Wash immediately with soap and water. Get medical attention if irritation develops.

Laundry contaminated clothing before reuse.

Inhalation: Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If irritation persists or if toxic symptoms are observed, get medical attention.

Oral: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

Additional Information: Note to physician: Treat symptomatically.

Section 5 - Fire Fighting Measures

Flash Point: 143 °C, 289.4 °F PMCC (Typical)

Extinguishing Media: CO₂, dry chemical, or foam. Water can be used to cool and protect exposed material.

Firefighting Procedures: Recommend wearing self-contained breathing apparatus. Water may cause splattering.

Unusual Fire & Explosion Hazards: Toxic fumes, gases or vapors may evolve on burning.

Section 6 - Accidental Release Measures

Spill Procedures: Evacuate all non-essential personnel. Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Remove sources of ignition. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed in inert material. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills.

Section 7 - Handling and Storage

Pumping Temperature: Not determined.

Maximum Handling Temperature: Not determined.

Handling Procedures: Open container in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Vapors are heavier than air and will tend to accumulate in low areas.

Avoid use in confined areas without adequate ventilation. Areas of inadequate ventilation could contain concentrations high enough to cause eye irritation, headaches, respiratory discomfort or nausea. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.

Maximum Storage Temperature: Not determined.

Storage Procedures: Equip bulk storage tanks with overflow protection such as high level alarms or secondary containment. Store drums in area with secondary containment. Storage area should be covered to prevent rain water from entering.

Loading Temperature: Not determined.

Section 8 - Exposure Controls/Personal Protection

Exposure Limits

(s) - Skin exposure

(p) - Proposed limit

(c) - Ceiling exposure

(l) - Recommended exposure limit

(u) - Supplier recommended exposure limit

(N/E) - None established

Comp

Exposure Guidelines

OSHA ACGIH Other

TWA STEL TWA STEL TWA STEL

Diphenylamine N/E N/E 10 mg/cu. M N/E N/E N/E

Other Exposure Limits: Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

Engineering Controls: Use local exhaust ventilation to control mists or vapors. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits. Vapors are heavier than air and will tend to accumulate in low areas. Avoid use in confined areas without adequate ventilation.

Gloves Procedures: Nitrile.

Eye Protection: Safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.

Respiratory Protection: Use NIOSH/MSHA approved full face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded.

Clothing Recommendation: Long sleeve shirt is recommended. Wear a chemically protective apron when contact with material may occur. When working with heated material, wear an insulated apron or an insulated chemical protective suit.

Section 9 - Physical and Chemical Properties

Flash Point: 143 °C, 289.4 °F PMCC (Typical)

Upper Flammable Limit: Not determined.

Lower Flammable Limit: Not determined.

Autoignition Point: Not determined.

Explosion Data: Material does not have explosive properties.

Vapor Pressure: Not determined.

Ph: Not determined.

Specific Gravity: 0.9 (15.6 °C)

Bulk Density; Not determined.

Water Solubility; Insoluble.

Percent Solid: Not determined.

Percent Volatile: Unknown.

Percent: VOC Not determined.

Vapor Density: Not determined.

Evaporation Rate: Not determined.

Odor: Mild

Appearance: Clear liquid.

Viscosity: 327 Centistokes (40 °C) 47 Centistokes (100 °C)

Odor Threshold: Unknown.

Boiling Point: Not determined.

Pour Point Temperature: -39 °C, -38 °F

Melting / Freezing Point: Not determined.

The above data are typical values and do not constitute a specification. Vapor pressure data are calculated unless otherwise noted.

Section 10 - Stability and Reactivity

Stability: Material is normally stable at moderately elevated temperatures and pressures.

Decomposition Temperature: Not determined.

Incompatibility: Oxidizing agents.

Polymerization: Will not occur.

Thermal Decomposition: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

Conditions to Avoid :Not determined.

Section 11 - Toxicological Information

-- ACUTE EXPOSURE --

Eye Irritation: May cause eye irritation. Does not meet Canadian D2B or EU R36 criteria. Based on data from components or similar materials.

Skin Irritation: Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

Respiratory Irritation: May cause nose, throat and lung irritation. Based on data from components or similar materials.

Dermal Toxicity: The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.

Inhalation Toxicity: No data available to indicate product or components may be a toxic inhalation hazard.

Oral Toxicity: The LD50 in rats is > 5000 mg/kg. Based on data from components or similar materials.

Dermal Sensitization: No data available to indicate product or components may be a skin sensitizer.

Inhalation Sensitization: No data available to indicate product or components may be respiratory sensitizers.

-- CHRONIC EXPOSURE --

Chronic Toxicity: No data available to indicate product or components present at greater than 1% are chronic health hazards.

Carcinogenicity: This product is formulated with mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

Teratogenicity: There are conflicting reports in the literature concerning the teratogenicity of diphenylamine. However, because the predominant route of exposure was oral (via gavage or diet) and relatively high dose levels were administered in the studies where positive effects were observed, it would not seem to present a workplace hazard.

-- ADDITIONAL INFORMATION --

Other No other health hazards known.

Section 12 - Ecological Information

-- ENVIRONMENTAL TOXICITY --

Freshwater Fish Toxicity: The acute LC50 is 10 - 100 mg/L based on component data.

Freshwater Invertebrates Toxicity: Not determined.

Algal Inhibition: Not determined.

Saltwater Fish Toxicity: The acute LC50 is 10 - 100 mg/L based on component data.

Saltwater Invertebrates Toxicity: The acute LC50 is 1 - 10 mg/L based on component data.

Bacteria Toxicity: The acute EC50 for bacteria is > 1000 ppm based on component data.

Miscellaneous Toxicity: Not determined.

-- ENVIRONMENTAL FATE --

Biodegradation: At least 25% of the components in this product show moderate biodegradation based on OECD 301-type test data. At least 25% of the components in this product show moderate biodegradation based on OECD 302-type test data.

Bioaccumulation: 1 - 10% of the components display no potential to bioconcentrate.

Soil Mobility: Not determined.

Section 13 - Disposal Consideration

Waste Disposal: This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

Section 14 - Transport Information

ICAO/IATA (US) Not regulated.

ICAO/IATA (International) Not regulated.

IMDG Not regulated.

IMDG EMS Fire Not applicable.

IMDG EMS Spill Not applicable.

IMDG MFAG Not applicable.

IMO Marine Vessel DO NOT TRANSPORT - ADDITIONAL INFORMATION REQUIRED

USCG Compatibility Not determined.

U.S. DOT Bulk Not regulated.

U.S. DOT Non-Bulk Not regulated.

DOT NAERG Not applicable.

TDG Bulk Not regulated.

TDG Non-Bulk Not regulated.

Mexico Not regulated.

Mexico Non-Bulk Not regulated.

Bulk Quantity 85000 liters, 22457 gal.

Non-Bulk Quantity 207.8 liters, 55 gal.

Review classification requirements before shipping materials at elevated temperatures.

Section 15 - Regulatory Information

-- Global Chemical Inventories --

USA All components of this material are on the US TSCA Inventory or are exempt.

Other TSCA Reg. Section 8d (3-(Decyloxy) tetrahydrothiophen).Section 4 (Diphenylamine).Section 4a

(Nonane).May be subject to export notification under TSCA Section 12(b).

EEC All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC.

Japan All components are in compliance with the Chemical Substances Control Law of Japan.

Australia All components are in compliance with chemical notification requirements in Australia.

Canada All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List.

Switzerland All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

Korea All components are in compliance in Korea.

Philippines All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

China All components of this product are listed on the Inventory of Existing Chemical Substances in China.

-- Other U.S. Federal Regulations --

SARA Ext. Haz. Subst. This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

SARA Section 313 This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313.

SARA 311 Classifications Acute Hazard No

Chronic Hazard No

Fire Hazard No

Reactivity Hazard No

CERCLA Hazardous Substances None known.

FDA Approval Not applicable.

-- State Regulations --

Cal. Prop. 65 This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: < 1 ppm cadmium < 1 ppm lead < 1 ppm arsenic

-- Product Registrations --

U.S. Fuel Registration Not applicable.

U.S. Dept of Agriculture This product has not been filed with the USDA to support H2 approvals.

NSF Nonfood Compounds Registration Not determined.

Finnish Registration

Number Not Registered

Swedish Registration

Number Not Registered

Norwegian Registration

Number Not Registered

Danish Registration

Number Not Registered

Swiss Registration Number Not Registered

Italian Registration Number Not Registered

Korean Registration

Number Not Registered

New Zealand Registration

Number Not Registered

-- Other / International --

TDG Regulated Limit. None known.

U.S. Tariff Heading Number 3811.21.00.00

Schedule B Number 3811.21.0000

Section 16 - Other Information

US NFPA Codes

(N/E) - None established

Health Fire Reactivity Special

1 1 0 N/E

HMIS Codes Health Fire Reactivity

1 1 0

Precautionary Labels CAUTION.

_ **MAY CAUSE EYE IRRITATION.**

_ **MAY CAUSE RESPIRATORY TRACT IRRITATION.**

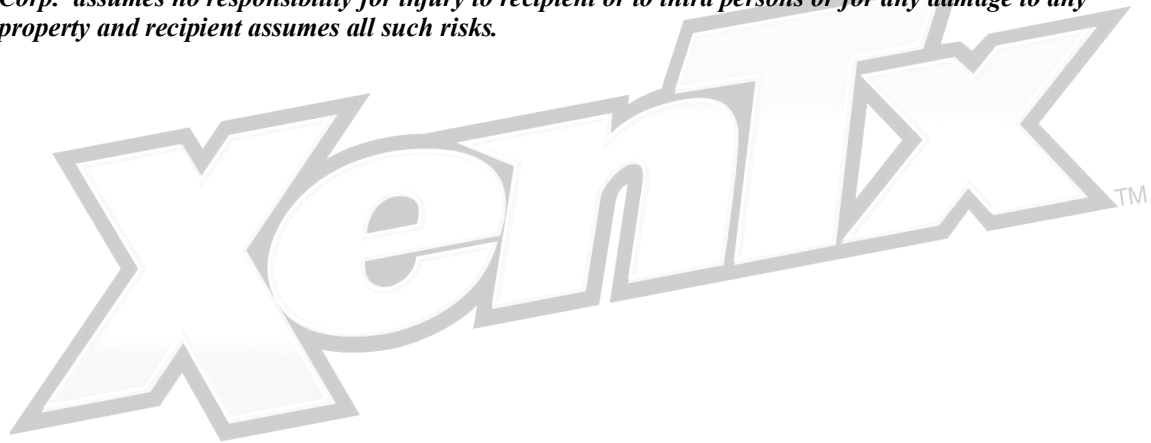
Revision Indicators Section: 3 HAZARDOUS INGREDIENTS Changed: 10 August 2006

Section: 8 HAZARDOUS INGREDIENTS Changed: 10 August 2006

Section: 15 AUSTRALIA Changed: 10 August 2006

Section: 15 SARA SECTION 311/312 Changed: 10 August 2006

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A large, stylized, light gray watermark of the word "XenTx" with a trademark symbol (TM) is positioned diagonally across the lower half of the page. The letters are bold and have a slight 3D effect with a drop shadow.