



MATERIAL SAFETY DATA SHEET EP 11 HTFS Gray Part B

02/19/2008

W186 N11687 MORSE DRIVE GERMANTOWN, WI 53022
262-502-6610 FAX 262-502-4743

CHEMTREC EMERGENCY PHONE 1-800-424-9300

REVISION DATE: 02/19/2008

SECTION I - IDENTIFICATION

PRODUCT NAME: EP 11HTFS GRAY PART B
CHEMICAL COMPOSITION: MIXTURE
CHEMICAL FAMILY: POLYAMINE BLEND

HMIS RATINGS

HEALTH = 3 FLAMMABILITY = 1 REACTIVITY = 0 PERSONAL PROTECTION = B
0=LEAST 1=SLIGHT 2=MODERATE 3=HIGH 4=EXTREME B=GLOVES,SAFETY GLASSES

SECTION II - HAZARDOUS INGREDIENTS

NAME	CAS #	OSHA PEL	ACIGH TLV
POLYAMIDE RESIN	68082-29-1	NA	NE
TRIETHYLENETETRAMINE	112-24-3	NE	NE
N-AMINOETHYL PIPERAZINE	140-31-8	NA	NA
NONYL PHENOL	84852-15-3	NE	NE
AMORPHOUS SILICON DIOXIDE	67762-90-7	20 mppcf	NA
CALCIUM CARBONATE	1317-65-3	10 mg/m3	NA

* EXACT IDENTITY WITHHELD AS A TRADE SECRET

SECTION III - PHYSICAL DATA

FLASH POINT (PMCC): >200°F BOILING POINT: >200°F VAPOR DENSITY: > AIR
EVAPORATION RATE: NIL % VOLATILE BY VOL.: 0 SPECIFIC GRAVITY: 1.29
SOLUBILITY IN WATER: PARTIAL VAPOR PRESSURE: < 1mm Hg
APPEARANCE AND ODOR: OFF WHITE PASTE, MILD AMINE ODOR

SECTION IV - FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture.

UNUSUAL FIRE & EXPLOSION HAZARDS: Keep containers tightly closed. Water may be used to cool unruptured containers.



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SECTION V - REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: High temperatures, high humidity.

MATERIALS TO AVOID: STRONG OXIDIZING AGENTS, ACIDS, EPOXY RESINS IN UNCONTROLLED CONDITIONS

SECTION VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

ACUTE: SKIN; Primarily redness and irritation.

CHRONIC: May cause skin sensitization.

ACUTE: INHALATION; Symptoms may include burning sensation, coughing and shortness of breath.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Chronic diseases of the skin,

PRIMARY ROUTES OF EXPOSURE: DERMAL

EMERGENCY FIRST AID PROCEDURES: Move person to fresh air. Restore breathing. Treat symptomatically. Consult a physician.

EYES: Flush eyes with water for at least 15 minutes. Take to a physician for medical treatment.

SKIN: Wash affected areas with soap and water. Remove contaminated clothing. Consult a physician if irritation persists.

INGESTION: Drink one or two glasses of milk or water. Do not induce vomiting. Give medical attention immediately.

Never give anything by mouth to an unconscious person.

SECTION VII - PROTECTIVE MEASURES

RESPIRATORY PROTECTION: Avoid breathing vapors/mists. Use approved chemical/mechanical filters designed to remove a combination of particulates and organic vapors in open and restricted areas when ventilation does not meet the requirements of 29 CFR 1910.134. Use approved airline type respirators or hoods in confined areas.

VENTILATION: Sufficient ventilation in pattern and volume to keep the air contaminant concentration below applicable exposure limits. All application areas should be ventilated in accordance with OSHA regulation 29 CFR 1910.134

PROTECTIVE GLOVES: Use neoprene or other impervious gloves to prevent skin contact.

EYE PROTECTION: Use safety glasses with side shields as minimum protection.

OTHER PROTECTIVE EQUIPMENT: Use protective cream if skin contact is likely. Remove and wash contaminated clothing before reuse. Discard contaminated shoes.



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HYGENIC PRACTICES: Wash hands before eating, smoking or using toilet facilities. Do not smoke in any chemical handling and storage area. Food or beverages should not be consumed anywhere near this product is handled or stored.

SECTION VIII - SPILL OR LEAK PROCEDURES

SPILLS: Contain and remove with absorbent material. Avoid contact.

WASTE DISPOSAL METHOD: Disposal should be done in accordance with Federal (40 CFR Part 261), State and local regulations. Before attempting clean-up, refer to hazard caution information in other sections of the MSDS form. Use only licensed hazardous waste disposal companies.

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Do not store near heat or open flame.

OTHER: Empty container should not be reused.

SECTION X - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Polyamines, liquid, corrosive, N.O.S. (N-aminoethylpiperazine, Nonyl Phenol)

HAZARD CLASS OR DIVISION: 8

PACKING GROUP NUMBER: III

REQUIRED LABEL: CORROSIVE

IDENTIFICATION NUMBER: 2735

NOTE: This product contains nonyl phenol which is a marine pollutant under 49 CFR 172.101, Appendix B.

TSCA STATUS: All components of this product are listed on, or exempted from the requirement to be listed on, the TSCA Inventory.

PROPOSITION 65 SUBSTANCES (component(s) known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986"): None

The information contained herein is based upon data taken in good faith and considered accurate. However, no warrant is implied or expressed regarding the accuracy of this data or the results obtained from the use thereof.

NA= Not Available na= not applicable NE=Not Established ND=Not Determined mppcf=million parts/ft³
mg/m³= milligrams per cubic meter