

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard, 29 CFR 1910.1200

IDENTITY

US SPEC EPM 3000 NS

N.F.P.A. & H.M.I.S. RATING

HAZARD INDEX	HAZARD CLASS
4 = Severe	Flammability
3 = Serious	1
2 = Moderate	Health Reactivity
1 = Slight	3 1
0 = Minimal	Special Note
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SECTION I - MANUFACTURER

US Mix Products Company 112 South Santa Fe Drive Denver, CO 80223	Emergency Contact CHEMTREC 800-424-9300 Information Contact US Mix 303-778-7227
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SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS	PERCENT
<u>Component A:</u>					
Modified Bisphenol A					
Base Epoxy Resin	25068-38-6	NA	NA	NA	>80
Aliphatic Glycidyl Ether	68609-97-2	NA	NA	NA	15
Terpene Alcohol	98-55-5	NA	NA	NA	<5

This product contains detectable amounts of the following chemical known to the State of California to cause defects/cancer or other reproductive harm: Epichlorohydrin.

Component B:

Trade Secret Amine Blend containing one or more of the following:

	694-83-7	NA	NA	NA	>90
	68411-90-5	NA	NA	NA	
	84852-15-3	NA	NA	NA	
	100-51-6	NA	NA	NA	
2,4,6- Tri(dimethylaminomethyl)phenol	90-72-2	10 mg/m ³	5 mg/m ³	NA	<10

Component C:

Trade Secret Blend of Fillers

Crystalline Silica	14808-60-7	10 mg/m ³	0.5 mg/m ³	NA	100
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None of the remaining components of the mixture are considered Hazardous Material or carcinogens (1910.1200 Hazard Communication (d)(4)). Identity withheld as a trade secret.

SECTION III - PHYSICAL CHEMICAL CHARACTERISTICS

Appearance: A: Clear Liquid B: Amber Odor: A: Mild B: Mild
Boiling Point: NA Freezing / Melting Point: NA
Vapor Pressure (mm Hg): NA Evaporation (Ether = 1): >1
Vapor Density (Air = 1): >1 Water Solubility: Insoluble
Specific Gravity (H₂O=1): A: 1.14 B: 0.95 C: 3.2 Other Solubilities: None Known
pH: NA VOC Content: NA

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Tag Closed Cup): >200 °F (>93 °C)
Flammable Limits LEL: NA UEL: NA
Extinguishing Media: Dry chemical, foam or CO₂
Special Fire Fighting Procedures: Firefighters should wear NIOSH approved self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: NA

SECTION V - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Protect from freezing.
Incompatibility (Materials to Avoid): NA
Hazardous Decomposition (Byproducts): NA
Hazardous Polymerization: Will not occur.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY

Inhalation? Yes Skin? Yes Ingestion? Yes Eyes? Yes

HEALTH HAZARDS (ACUTE AND CHRONIC)

Inhalation: Repeated inhalation of respirable dust over extended periods of time may cause injury to the lungs (silicosis).

Skin Contact: May cause irritation, burns and tissue damage.

Ingestion: May cause caustic burns in the mouth, esophagus and stomach.

Eye Contact: May cause burning and corneal edema.

Carcinogenicity: NTP? Yes IARC Monographs? Yes OSHA Regulated? No

Warning: This product contains crystalline silica, a chemical known to the State of California (Proposition 65) to cause cancer, birth defects and/or other reproductive toxicity.

SIGNS AND SYMPTOMS OF EXPOSURE

Cough, dyspnea (breathing difficulty), wheezing, decreased pulmonary function, progressive respiratory symptoms (silicosis), irritation eyes and potential occupational carcinogen.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

None Known

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move to fresh air. If cough, irritation, difficulty in breathing persist or develop, call a physician.

Skin Contact: Wash thoroughly with soap and water. If irritation persists call a physician.

Ingestion: Administer milk or water. DO NOT induce vomiting. Call a physician or Poison Control Center immediately. DO NOT give anything orally to an unconscious person.

Eye Contact: Do not rub eyes. Flush with water for 15 minutes. Call a physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in Case Material is Released or Spilled: Contain with earthen dike if necessary. Contain spill with inert absorbent.

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations.

Precautions to be taken in Handling and Storage: Use only in well ventilated area. Protect from freezing.

Other Precautions: Avoid body contact and splashing.

DOT Transportation Data (49 CFR 172.101):

Shipping Name:	Amines, liquid, corrosive, n.o.s. (aminopropyl-diethanolamine)
Hazard Class:	8
ID No.:	UN 2735
Packing Group:	III
Label:	8
Limited Quantity Exceptions:	Limited quantity applies for inner packages 1.3 gallons or smaller.
US Domestic Ground Shipments:	Amines, liquid, corrosive, n.o.s. (aminopropyl-diethanolamine), 8, UN 2735, III
Placards:	"Corrosive" warnings and placards required when containers are over 119 gallons or over 1000 pounds.
National Motor Freight NMF-100-0:	Amines, fatty Item: 144790 Class: LTL: 65 TL: 35

SECTION VIII - CONTROL MEASURES

Respiratory Protection: Organic vapor cartridge or NIOSH approved supplied air respirators according to OSHA regulation 29 CFR 1910.134.

Ventilation: Fan or forced air exhaust. If ventilation is inadequate use respiratory protection.

Protective Gloves: Use rubberized gloves according to OSHA regulation 29 CFR 1910.138.

Eye Protection: Chemical splash goggles or face shield according to OSHA regulation 29 CFR 1910.133.

Other Protective Clothing or Equipment: PVC or equivalent chemically resistant apron. Safety showers, eye wash stations and washing facilities should be available.

Work/Hygienic Practices: Wash thoroughly with soap and water before eating, smoking or using washroom. Remove and wash contaminated clothing before re-use. Use only in well-ventilated areas unless recommended respiratory protection is used. Keep body contact and splash to a minimum.

Comments: This Material Safety Data Sheet and the information it contains are offered to you in good faith as accurate. We have reviewed any information contained in this datasheet, which we received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of this product in a manner that might infringe existing patents. No warranty is made, either express or implied.

Revision Date 09/03