

# MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard, 29 CFR 1910.1200

## US SPEC EPG 2000

Version 1.1

Revised 1/06

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

#### HAZARD INDEX

4 = Severe  
3 = Serious  
2 = Moderate  
1 = Slight  
0 = Minimal

#### HAZARD CLASS

Flammability  
1  
Health  
3  
Reactivity  
1  
Special Note  
-

### SECTION I - MANUFACTURER

**Product Name:** US SPEC EPG 2000

**Manufacturer:** US MIX Co.  
112 South Santa Fe Drive  
Denver, CO 80223

**Emergency Contact:** CHEMTREC 800-424-9300

**Information Contact:** US MIX Co. 303-778-7227

### SECTION II - HAZARDOUS INGREDIENTS

	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMITS	PERCENT
<b>Component A:</b> Modified Bisphenol A/Epichlorohydrin Base Epoxy Resin	25068-38-6	NA	NA	NA	>90

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:

68953-36-6	NA	NA	NA	>80
112-57-2	NA	NA	NA	<15

#### **Component C:**

Trade Secret Blend of Fillers

Crystalline Silica	14808-60-7	10 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	NA	>60
	7727-43-7	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	NA	>30

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: Grey Liquid      B: Amber      Odor: A: Mild      B: Mild  
Boiling Point: NA      Freezing / Melting Point: NA      pH: NA  
Vapor Pressure (mm Hg): NA      Evaporation (Ether = 1): >1      VOC Content: NA  
Vapor Density (Air = 1): >1      Water Solubility: Insoluble  
Specific Gravity (H<sub>2</sub>O=1): A: 1.14 B: 0.95 C: 3.2      Other Solubilities: None Known

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### 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 CO<sub>2</sub>

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:** Breathing mist can cause irritation of nasal and respiratory passages. May cause dizziness, headache, nausea, vomiting and coma if used in unventilated areas.

**Skin Contact:** May cause irritation.

**Ingestion:** May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Eye Contact:** May cause irritation, redness, tearing and blurred vision.

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

#### SIGNS AND SYMPTOMS OF EXPOSURE

Headache, drowsiness, respiratory irritation, skin irritation, nausea and numbness. Can cause in the most extreme case dermatitis, pneumonitis, pulmonary edema or kidney damage.

#### 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. Solvents should not be used because they carry the irritant into the skin. 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.

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## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps to be taken in Case Material is Released or Spilled:** Stop flow. Contain with earthen dike if necessary. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal. Use appropriate protective equipment.

**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.

## 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.

## SECTION IX – DOT DATA

### 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
Maritime Transport:	Amines, liquid, corrosive, n.o.s. (aminopropyl-diethanolamine), 8, UN 2735, III
Air Transport:	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: 65

**SECTION X – REGULATORY INFORMATION**

OSHA Status:	Irritant, Corrosive
SARA Title III:	Section 312 Extremely Hazardous Substances: None Section 311/312 Hazard Categories: Corrosive, Acute Health Hazard Section 313 Toxic Chemicals: 1-chloro-2,3-epoxypropane
RCRA Status:	If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product derived from the product should be classified as a hazardous waste.
California Proposition 65:	The chemical(s) noted below are contained in this product and are known to the state of California to cause cancer, birth defects or other reproductive harm: <u>CAS No.</u> <u>Chemical Name</u> 14808-60-7                                      Crystalline Silica

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 expressed or implied.

**Legend**

ACGIH – American Conference of Governmental Hygienists	NTP – National Toxicology Program
CAS (#) – Chemical Abstracts Service	OSHA – Occupational Safety and Health Administration
CERCLA – Comprehensive Environmental Response, Compensation and Liability Act	PEL – Permissible Exposure Limit
DOT – Department of Transportation	RCRA – Resource Conservation and Recovery Act
DSL – Domestic Substance List	SARA – Superfund Amendments and Reauthorization Act
EPA – Environmental Protection Agency	STEL – Short Term Exposure Limit
HMIS – Hazardous Materials Information System	TLV – Threshold Limit Value
IARC – International Agency for Research on Cancer	TSCA – Toxic Substances Control Act
MPPCF – Million Particles per Cubic Foot	TWA – Time Weighted Average
NFPA – National Fire Protection Agency	VOC – Volatile Organic Compound
NIOSH – National Institute for Occupational Safety and Health	WHMIS – Workplace Hazardous Materials Information System