Section 1: Identification

- **Product Name**: 90% alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)-poly(oxy(methyl-1,2-ethanediyl)) and 10% Polyethylenepolyamine
- **Synonyms**: Polyetheramine and Polyethylenepolyamine mixture
- **Product Code**: Epoxy Hardener
- **Manufacturer**:
  PACE Technologies
  3601 E. 34th St.
  Tucson, AZ 85713
  +1-520-882-6598
- **Emergency Phone Number**:
  CHEMTREC 800-424-9300 (US) Day or night
  Customer No. 16568

Section 2: Hazard Identification

GHS Classification

- **Skin Corrosion/Irritation**: Category 1B
- **Serious Eye Damage/Eye Irritation**: Category 1
- **Skin Sensitization**: Category 1
- **Acute Toxicity (Oral)**: Category 4
- **Acute Toxicity (Inhalation)**: Category 4
- **Aquatic Toxicity (Chronic)**: Category 2

Label Elements

- **Pictograms**:

- **Signal Word**: **Danger**

- **Hazard Statements**:
  - H302: Harmful if swallowed.
  - H314: Causes severe skin burns and eye damage.
  - H317: May cause an allergic skin reaction.
  - H332: Harmful if inhaled.
  - H411: Toxic to aquatic life with long-lasting effects.
- **Precautionary Statements**:
  - **Prevention**:
    - P260: Do not breathe dust/fume/gas/mist/vapors/spray.
    - P280: Wear protective gloves/protective clothing/eye protection/face protection.
    - P273: Avoid release to the environment.
  - **Response**:
    - P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
    - P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
    - P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing.
    - P310: Immediately call a POISON CENTER/doctor.
  - **Disposal**:
    - P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

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Section 3: Composition/Information on Ingredients

Substance	CAS Number	Concentration (% w/w)
alpha-(2-Aminomethylethyl)-omega-(2-aminomethylethoxy)-poly(oxy(methyl-1,2-ethanediyl))	[Enter CAS Number]	90-95%
Polyethylenepolyamine	68131-73-7	5-10%

Section 4: First-Aid Measures

- **Inhalation**: Move to fresh air. If breathing is difficult, administer oxygen and seek medical attention.
- **Skin Contact**: Immediately wash affected areas with plenty of soap and water for at least 15 minutes. Remove contaminated clothing. Seek medical attention if irritation persists.
- **Eye Contact**: Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present. Seek immediate medical attention.
- **Ingestion**: Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

Section 5: Fire-Fighting Measures

- **Suitable Extinguishing Media**: Use water spray, dry chemical, carbon dioxide, or foam.
- **Special Hazards Arising from the Substance or Mixture**: May emit toxic fumes, including carbon monoxide, nitrogen oxides, and other decomposition products.
- **Protective Equipment for Firefighters**: Use self-contained breathing apparatus and full protective gear.

Section 6: Accidental Release Measures

- **Personal Precautions**: Use appropriate personal protective equipment (PPE). Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation.
- **Environmental Precautions**: Prevent spillage from entering drains, watercourses, or soil.
- **Methods for Containment and Cleanup**: Absorb spills with inert materials such as sand or vermiculite. Dispose of waste in accordance with local regulations.

Section 7: Handling and Storage

- **Precautions for Safe Handling**: Avoid contact with skin, eyes, and clothing. Do not inhale vapors. Use in a well-ventilated area. Wash thoroughly after handling.
- **Conditions for Safe Storage**: Store in a cool, dry, and well-ventilated area away from incompatible materials such as strong acids, bases, and oxidizing agents.

Section 8: Exposure Controls/Personal Protection

Control Parameters

- No specific exposure limits established for this product.

Personal Protective Equipment (PPE)

- **Respiratory Protection**: If exposure limits are exceeded, use a NIOSH-approved respirator.
- **Hand Protection**: Wear chemical-resistant gloves (e.g., nitrile, neoprene).
- **Eye Protection**: Wear safety goggles or face shield.
- **Skin Protection**: Wear appropriate chemical-resistant clothing.
- **Engineering Controls**: Ensure adequate ventilation or use fume hoods in enclosed areas.

Section 9: Physical and Chemical Properties

- **Appearance**: Clear to amber liquid
- **Odor**: Ammonia-like odor
- **pH**: Alkaline
- **Melting/Freezing Point**: Not available
- **Boiling Point**: Not available
- **Flash Point**: Greater than 93.4 °C (200.1 °F) Pensky-Martens Closed Cup
- **Density**: 1.02

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- **Solubility in Water**: Partially soluble
- **Vapor Pressure**: Not available

Section 10: Stability and Reactivity

- **Reactivity**: May react with strong acids, bases, and oxidizing agents.
- **Chemical Stability**: Stable under normal conditions of use and storage.
- **Conditions to Avoid**: Excessive heat, open flames, sparks.
- **Incompatible Materials**: Strong acids, strong oxidizing agents.
- **Hazardous Decomposition Products**: May release toxic gases such as carbon monoxide, carbon dioxide, nitrogen oxides, and amines during decomposition.

Section 11: Toxicological Information

- **Acute Toxicity**:
  - **Oral**: Harmful if swallowed.
  - **Inhalation**: Harmful if inhaled.
- **Skin Corrosion/Irritation**: Causes severe burns.
- **Serious Eye Damage/Irritation**: Causes serious eye damage.
- **Sensitization**: May cause allergic skin reactions.

Section 12: Ecological Information

- **Ecotoxicity**: Toxic to aquatic life with long-lasting effects.
- **Persistence and Degradability**: Not readily biodegradable.
- **Bioaccumulative Potential**: Low potential for bioaccumulation.
- **Mobility in Soil**: Limited mobility in soil.

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Section 13: Disposal Considerations

- **Waste Disposal Methods**: Dispose of in accordance with local, regional, national, and international regulations. Avoid release to the environment.

Section 14: Transport Information

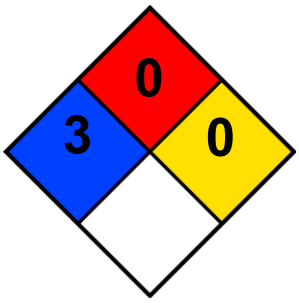
- **UN Number**: UN 2735
- **Proper Shipping Name**: Polyamines, liquid, corrosive, n.o.s.
- **Hazard Class**: 8 (Corrosive)
- **Packing Group**: III
- **Environmental Hazards**: Marine pollutant (if applicable).

Section 15: Regulatory Information

- **TSCA**: All components are listed or exempt from the TSCA inventory.
- **SARA Title III**: Contains components that may require reporting under SARA Title III.

Section 16: Other Information

16.1 NFPA 704



- **Health (Blue)**: 3 (Serious health hazard due to corrosiveness)
- **Flammability (Red)**: 1 (Slight)
- **Reactivity (Yellow)**: 0 (Minimal Hazard)

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Product Use:
Laboratory Reagent.

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