SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name       EpoKwick FC Hardener
Product Code(s)    20-3453-032
(M)SDS Number      1364499_A

Other means of identification

UN-No.              UN2735
Synonyms            None

Recommended use of the chemical and restrictions on use

Recommended Use    Laboratory Use Only
Uses advised against No information available

Details of the supplier of the safety data sheet

Manufacturer        Buehler
Manufacturer Address 41 Waukegan Rd
                                      Lake Bluff, IL 60044
                                      www.buehler.com
Phone number         +1 847 295 6500
E-mail Address       custserv@buehler.com

Emergency telephone number

Global Access Code: 334545
Americas: +1 760 476 3962 Asia Pacific: +1 760 476 3960
Middle East/Africa: +1 760 476 3959 Europe: +1 760 476 3961

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

<table>
<thead>
<tr>
<th></th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Oral</td>
<td>4</td>
</tr>
<tr>
<td>Acute toxicity - Dermal</td>
<td>4</td>
</tr>
<tr>
<td>Acute toxicity - Inhalation (Vapors)</td>
<td>2</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>1 Sub-category B</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>1</td>
</tr>
</tbody>
</table>
Specific target organ toxicity (single exposure)  Category 3  Corrosive to metals

GHS Label elements, including precautionary statements

**Emergency Overview**

<table>
<thead>
<tr>
<th>Signal word</th>
<th>Danger</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazard Statements</strong></td>
<td></td>
</tr>
<tr>
<td>Harmful if swallowed</td>
<td></td>
</tr>
<tr>
<td>Harmful in contact with skin</td>
<td></td>
</tr>
<tr>
<td>Causes severe skin burns and eye damage</td>
<td></td>
</tr>
<tr>
<td>May cause an allergic skin reaction</td>
<td></td>
</tr>
<tr>
<td>Toxic if inhaled</td>
<td></td>
</tr>
<tr>
<td>May cause respiratory irritation</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Physical state</th>
<th>Odor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear</td>
<td>Liquid</td>
<td>Amine</td>
</tr>
</tbody>
</table>

**Precautionary Statements - Prevention**
Do not breathe dust/fume/gas/mist/vapors/spray
Wash hands thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Use personal protective equipment as required

**Precautionary Statements - Response**
Immediately call a POISON CENTER or doctor/physician

**Eyes**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**Skin**
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

**Inhalation**
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**Ingestion**
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

**Precautionary Statements - Storage**
Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**
Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**
Not applicable

**Unknown Toxicity**
70 % of the mixture consists of ingredient(s) of unknown toxicity

**Other information**
No information available

**Interactions with Other Chemicals**
No information available.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,2-Ethanediamine, N-(2-aminoethyl)-, polymer with oxirane</td>
<td>28063-82-3</td>
<td>&gt; 60%</td>
<td>*</td>
</tr>
<tr>
<td>Diethylene triamine</td>
<td>111-40-0</td>
<td>&lt; 30%</td>
<td>*</td>
</tr>
<tr>
<td>Poly[(oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-.omega.- (2-aminomethylethoxy)-, ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1)</td>
<td>39423-51-3</td>
<td>5 - 15%</td>
<td>*</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret

### 4. FIRST AID MEASURES

**First aid measures**

**General Advice**
Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

**Eye contact**
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice.

**Skin contact**
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is required. May cause an allergic skin reaction.

**Inhalation**
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

**Ingestion**
Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

**Self-protection of the first aider**
Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects**
Indication of any immediate medical attention and special treatment needed

Notes to Physician
Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Move containers from fire area if you can do it without risk. Dike fire control water for later disposal; do not scatter the material. Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
When heated, vapors may form explosive mixtures with air: indoors, outdoors and sewers explosion hazards. Runoff may pollute waterways. Substance may be transported in a molten form.

Uniform Fire Code
Corrosive: Other--Liquid
Sensitizer: Liquid
Combustible Liquid: III-B

Hazardous Combustion Products
Carbon oxides.

Explosion Data
Sensitivity to Mechanical Impact No.
Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if you can do it without risk.

Other Information
Do not get water inside containers.

Environmental precautions
Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment
Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Methods for cleaning up
Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.
7. HANDLING AND STORAGE

Precautions for safe handling

Handling
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage
Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials.

Incompatible Products

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene triamine</td>
<td>TWA: 1 ppm</td>
<td>(vacated) TWA: 1 ppm</td>
<td>TWA: 1 ppm</td>
</tr>
<tr>
<td>111-40-0</td>
<td>S*</td>
<td>(vacated) TWA: 4 mg/m³</td>
<td>TWA: 4 mg/m³</td>
</tr>
</tbody>
</table>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH: Immediately Dangerous to Life or Health

Other Exposure Guidelines
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

Appropriate engineering controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection
Face protection shield.

Skin and body protection
Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves.

Respiratory protection
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and...
immediately after handling the product. Take off contaminated clothing and wash before reuse. For environmental protection, remove and wash all contaminated protective equipment before re-use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state</strong></td>
<td>Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Clear</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Amine</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Softening Point</strong></td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>VOC Content (%)</strong></td>
<td>0 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Particle Size</strong></td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Particle Size Distribution</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Alkaline</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Melting / freezing point</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Boiling point / boiling range</strong></td>
<td>&gt; 200°C °C / 392 °F</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>&gt; 100°C °C / 212 °F</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Flammability Limit in Air</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Upper flammability limit</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Lower flammability limit</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>1.03 g/cm³</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Water Solubility</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Solubility in other solvents</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water</strong></td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Autoignition temperature</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Kinematic viscosity</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Dynamic viscosity</strong></td>
<td>No data available</td>
<td>None known</td>
<td></td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>No data available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Other Information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Softening Point</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>VOC Content (%)</strong></td>
<td>0 %</td>
</tr>
<tr>
<td><strong>Particle Size</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Particle Size Distribution</strong></td>
<td></td>
</tr>
</tbody>
</table>
11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

**Inhalation**
Specific test data for the substance or mixture is not available. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal. May cause irritation of respiratory tract.

**Eye contact**
Specific test data for the substance or mixture is not available. Causes burns. (based on components). Corrosive to the eyes and may cause severe damage including blindness. Causes serious eye damage. May cause irreversible damage to eyes.

**Skin contact**
Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns. May be absorbed through the skin in harmful amounts. Harmful in contact with skin.

**Ingestion**
Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed.

Component Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene triamine</td>
<td>1080 mg/kg (Rat)</td>
<td>672 mg/kg (Rabbit)</td>
<td>70 mg/L (Rat) 4h</td>
</tr>
</tbody>
</table>
Information on toxicological effects

Symptoms

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization
May cause sensitization in susceptible persons. May cause sensitization by skin contact.

Mutagenic Effects
No information available.

Carcinogenicity
Contains no ingredient listed as a carcinogen.

Reproductive toxicity
No information available.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Chronic Toxicity
No known effect based on information supplied. Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Effects from this product caused by acute exposure may cause permanent damage to target organs and/or may cause chronic conditions.

Target Organ Effects

Aspiration Hazard
No information available.

Numerical measures of toxicity  Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
1,080.00 mg/kg

ATEmix (dermal)
1,100.00 mg/kg (ATE)

ATEmix (inhalation-dust/mist)
70.00 mg/L
12. ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene triamine 111-40-0</td>
<td>72h EC50: = 1164 mg/L</td>
<td>96h LC50: = 430 mg/L</td>
<td>EC50: = 2000 mg/L 1 h</td>
<td>24h EC50: = 37 mg/L 48h</td>
</tr>
<tr>
<td></td>
<td>(Pseudokirchneriella subcapitata)</td>
<td>96h LC50: = 345.6 mg/L</td>
<td>EC50: = 96 mg/L 17 h</td>
<td>EC50: = 16 mg/L</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Pseudokirchneriella subcapitata)</td>
<td>96h LC50: = 592 mg/L (Desmodesmus subspicatus)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>96h LC50: = 592 mg/L (Poecilia reticulata)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>96h LC50: = 248 mg/L (Poecilia reticulata)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24h EC50: = 37 mg/L 48h</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24h EC50: = 96 mg/L 17 h</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24h EC50: = 16 mg/L</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24h EC50: = 37 mg/L 48h</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24h EC50: = 96 mg/L 17 h</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>24h EC50: = 16 mg/L</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Persistence and Degradability
No information available.

Bioaccumulation

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene triamine 111-40-0</td>
<td>-1.3</td>
</tr>
</tbody>
</table>

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods
This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging
Dispose of contents/containers in accordance with local regulations.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>California Hazardous Waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene triamine 111-40-0</td>
<td>Toxic</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

DOT

UN-No. UN2735
Proper Shipping Name POLYAMINES, LIQUID, CORROSIVE, N.O.S.
Hazard Class 8
Packing Group III
| Description | UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENE TRIAMINE), 8, III |
| Emergency Response Guide Number | 153 |

**TDG**

- **UN-No.**: UN2735
- **Proper Shipping Name**: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
- **Hazard Class**: 8
- **Packing Group**: III
- **Description**: UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENE TRIAMINE), 8, III

**MEX**

- **UN-No.**: UN2735
- **Proper Shipping Name**: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
- **Hazard Class**: 8
- **Packing Group**: III
- **Description**: UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENE TRIAMINE), 8, III

**ICAO**

- **UN-No.**: UN2735
- **Proper Shipping Name**: AMINES, LIQUID, CORROSIVE, N.O.S.
- **Hazard Class**: 8
- **Packing Group**: III
- **Description**: UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENE TRIAMINE), 8, III

**IATA**

- **UN-No.**: UN2735
- **Proper Shipping Name**: AMINES, LIQUID, CORROSIVE, N.O.S.
- **Hazard Class**: 8
- **Packing Group**: III
- **ERG Code**: 8L
- **Description**: UN2735, AMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENE TRIAMINE), 8, III

**IMDG/IMO**

- **UN-No.**: UN2735
- **Proper Shipping Name**: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
- **Hazard Class**: 8
- **Packing Group**: III
- **EmS-No.**: F-A, S-B
- **Description**: UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENE TRIAMINE), 8, III

**RID**

- **UN-No.**: UN2735
- **Proper Shipping Name**: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
- **Hazard Class**: 8
- **Packing Group**: III
- **Classification code**: C7
- **Description**: UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENE TRIAMINE), 8, III

**ADR**

- **UN-No.**: UN2735
- **Proper Shipping Name**: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
- **Hazard Class**: 8
- **Packing Group**: III
- **Classification code**: C7
- **Tunnel restriction code**: (E)
- **Description**: UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENE TRIAMINE), 8, III, (E)

**ADN**

- **UN-No.**: UN2735
Proper Shipping Name: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
Hazard Class: 8
Packing Group: III
Classification code: C7
Special Provisions: 274
Description: UN2735, POLYAMINES, LIQUID, CORROSIVE, N.O.S. (DIETHYLENE TRIAMINE), 8, III
Hazard Labels: 8
Limited Quantity: 5 L

15. REGULATORY INFORMATION

International Inventories

TSCA: Complies
DSL: All components are listed either on the DSL or NDSL.
ENCS: Complies
KECL: Complies
PICCS: Complies
AICS: Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
<th>Rhode Island</th>
<th>Illinois</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene triamine</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>111-40-0</td>
<td></td>
<td></td>
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</tbody>
</table>

International Regulations
Mexico
National occupational exposure limits

<table>
<thead>
<tr>
<th>Component</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene triamine</td>
<td></td>
<td>Mexico: TWA 1 ppm</td>
</tr>
<tr>
<td>111-40-0 ( &lt; 30% )</td>
<td></td>
<td>Mexico: TWA 4.2 mg/m³</td>
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</tbody>
</table>

Mexico - Occupational Exposure Limits - Carcinogens

Canada
WHMIS Hazard Class
Not determined

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Hazards</th>
<th>Personal Protection</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>0</td>
<td></td>
<td>X</td>
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Prepared By
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23 British American Blvd.
Latham, NY 12110
1-800-572-6501

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Revision Note
No information available

Disclaimer
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End of Safety Data Sheet