IDENTITY (As Used on Label & List): MA-110  Return Line Treatment

Section I – Manufacturer

CASCADE WATER SERVICES
113 BLOOMINGDALE ROAD.
HICKSVILLE, NY 11801

IN A CHEMICAL EMERGENCY CONTACT: CHEMTREC
Emergency Telephone: (800) 424-9300

Date Prepared: 07/05/07 Preparer: J. Nemetz

Section II – Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>OSHA PEL</th>
<th>ACGIH/TLV</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylaminoethanol</td>
<td>50mg/m3</td>
<td>9.6mg/m3</td>
<td>500 ppm IDLH</td>
</tr>
<tr>
<td>Water</td>
<td></td>
<td></td>
<td>5-15</td>
</tr>
</tbody>
</table>

Section III – Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>- &gt;212 F</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>- 1.4</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>- 4.0</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>- complete</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>- Clear colorless liquid with ammonia-like odor.</td>
</tr>
</tbody>
</table>

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) – Flammable ingredient: 52 C; 125 F TCC
Flammable Limits – Lower 7% Upper 12%

Extinguishing Media –
Water spray, carbon dioxide, dry chemical, alcohol, or universal type foams applied by manufacturers recommended technique and water fog.

Special Fire Fighting Procedures –
Use supplied air and protective clothing.

Unusual Fire and Explosion Hazards –
None known
Section V – Reactivity Data

Stability – Stable: X  Conditions to Avoid – none

Unstable:

Incompatibility (Materials to Avoid) –
Avoid contact with strong oxidizers (perchlorates, nitrates, peroxides), strong acids, and halogens. All amines, under certain conditions, may form nitrosamines; Avoid mixing with nitrites.

Hazardous Decomposition of Byproducts –
Burning can produce carbon monoxide, carbon dioxide, and nitrogen oxides.

Hazardous Polymerization –
May Occur:  Conditions to Avoid –
Will Not Occur: X  Heat, Open flames, Sparks, Acids, and Oxidizers.

Section VI – Health Hazard Data

Routes of Entry –  (Inhalation?)    (Skin?)    (Ingestion?)
Skin, Eye, Inhalation, and Ingestion

Health Hazards (Acute and Chronic –
Swallowing may cause nausea, vomiting, abdominal pain, and collapse. Inhalation may cause nausea, vomiting, irritation and/or damage to the respiratory tract. Skin contact may cause severe irritation or burns. Eye contact will cause severe irritation, burns, or blindness.

Carcinogenicity –  NTP?    IARC Monographs?    OSHA Regulated?
Not listed as a carcinogen.  ARC – no  OSHA – no

Signs and Symptoms of Exposure –
Burning of skin, eyes, and mucous membranes. Nausea.

Medical Conditions Generally Aggravated by Exposure –
None known.

Emergency and First Aid Procedures –
Eyes – immediately flush with lots of water for at least 15 minutes holding lids apart to ensure flushing of entire surface. Continue to use water for 30 minutes. Seek medical attention.
Skin – Immediately wash with lots of soap water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes.
Ingestion – DO NOT INDUCE VOMITING. If conscious, give plenty of water. Get immediate medical help. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
Inhalation – Remove to fresh air. If breathing has stopped, apply artificial respiration or O2. Seek immediate medical aid. Begin treatment ASAP.

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled –
Wear suitable protective equipment. Collect with suitable absorbent material for high pH liquids such as vermiculite or sand. Place in sealed DOT approved container for corrosive waste.
Waste Disposal Method –
Follow all local, state, and federal EPA regulations for disposal of corrosive bearing materials. Absorbed or bulk material may be incinerated, but combustion products must be handled appropriately. This chemical is reported on the TSCA inventory list.

Precautions to be Taken in Handling and Storing –
Do not get in eyes, on skin, or clothing. Keep away from heat sparks & flames. Do not breathe vapor, mist, or gas. Keep container closed when not in use. Before opening drum, loosen bung slowly to relieve pressure build up. Wear all protective equipment when handling. Do not cut, grind, or weld on or near containers. Explosion Hazard. Store away from acids and oxidizers. READ LABEL BEFORE USE.

Other Precautions –
Use with adequate ventilation. Keep away from heat and open flame. Do not freeze.

Section VIII – Control Measures

Respiratory Protection (Specify Type) –
Use with adequate ventilation. If necessary, cartridge type respirator.

Ventilation –
Local Exhaust: Necessary at all times
Mechanical (General): Special: Other:

Protective Gloves: Synthetic rubber, Neoprene
Eye Protection: Face shield or chemical goggles

Other Protective Clothing or Equipment –
Clothing must protect areas of the body that risk contact. Safety shoes, rubber boots, rubber apron are all recommended. Have an Eyewash and Safety Shower on hand.

Work/Hygienic Practices –
Wash thoroughly after handling.