IDENTITY (As Used on Label & List): OL-200  Cooling Water Treatment Compound

Section I – Manufacturer

CASCADE WATER SERVICES
113 BLOOMINGDALE ROAD.
HICKSVILLE, NY 11801

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 Recommend</th>
<th>% (Opt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trisodium NTA Monohydrate</td>
<td>none</td>
<td>none</td>
<td>none</td>
<td>10-15%</td>
</tr>
<tr>
<td>18662-53-8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydroxyl iminobis(methylene phosphonic acid)</td>
<td>none</td>
<td>none</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>5995-42-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potassium Hydroxide</td>
<td>2mg/m3</td>
<td>2mg/m3</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>1310-58-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>CAS# 7732-18-5</td>
<td></td>
<td></td>
<td></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>- unknown</td>
</tr>
<tr>
<td>Specific Gravity (H₂O = 1)</td>
<td>- 1.15</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>- unknown</td>
</tr>
<tr>
<td>Melting Point</td>
<td>- not applicable</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>- unknown</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>- unknown</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>- complete</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>- Clear to cloudy liquid with slight odor.</td>
</tr>
</tbody>
</table>

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) – not flammable
Flammable Limits – not flammable
LEL – none
UEL – none

Extinguishing Media –
Water spray, CO₂, foam, dry chemical

Special Fire Fighting Procedures –
Use caution when fighting fires with water as this material may generate heat when mixed with water.

Unusual Fire and Explosion Hazards –
May generate heat when mixed with water.

Section V – Reactivity Data

Stability – Stable: X
Unstable: 

Conditions to Avoid – Use caution when making solutions as heat may be generated during mixing.

Incompatibility (Materials to Avoid) –
Do not mix with strong acids or oxidizing materials. Avoid copper, nickel, zinc, and aluminum and their alloys.

Hazardous Decomposition of Byproducts –
Hydrogen gas may be formed from contact with aluminum.

Hazardous Polymerization –
May Occur: 
Will Not Occur: X

Conditions to Avoid – 
none

Section VI – Health Hazard Data

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

Health Hazards (Acute and Chronic –
Corrosive to all tissues.
Inhalation of mist may cause damage to respiratory tract.
NTA-Na3 is a suspected carcinogen in rats. No human evidence. May affect kidneys. Allergy to sodium sulfite may exist.

Carcinogenicity – NTP? IARC Monographs? OSHA Regulated?
Trisodium NTA is a suspected carcinogen in mice and rats based on OSHA testing. According to ACGIH guidelines, it would not “be considered an occupational carcinogen of any practical significance.”

Signs and Symptoms of Exposure –
Burning, irritation, itching, soreness of affected area.

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. Seek medical attention.
Skin – Immediately wash with lots of water. Remove contaminated clothes & footwear and wash before reuse. Seek medical assistance.
Ingestion – DO NOT INDUCE VOMITING. If conscious, give lots of water or milk to dilute. Never give anything by mouth to an unconscious person. GET IMMEDIATE MEDICAL HELP. Inhalation – Remove to fresh air. If breathing has stopped, apply artificial respiration or O2. Seek immediate medical aid.

Section VII – Precautions for Safe Handling and Use
Steps to be Taken in Case Material is Released or Spilled –

Use non reactive absorbent material to clean up spill. Be sure to wear protective clothing, gloves, and goggles when handling.

Waste Disposal Method –

Follow all local, state, and federal EPA regulations for disposal of corrosive bearing materials. pH neutralization may be necessary before disposal.

Precautions to be Taken in Handling and Storing –

DANGER! Causes severe burns to skin and eyes. Do NOT get in eyes or on skin or on clothing. Avoid breathing dust, mist, or spray. Do NOT take internally. Use with adequate ventilation and respiratory protection. Wear all protective equipment when handling. Avoid contact with strong acids to prevent explosive reaction. Keep container closed when not in use. Wash thoroughly after handling. CORROSIVE! DO NOT TRANSPORT IN ALUMINUM CONTAINERS.

Other Precautions –

Avoid contamination by air and water. Keep away from heat and open flame. Do not freeze. Keep container closed when not in use. Avoid breathing vapor. Use with adequate ventilation.

Section VIII – Control Measures

Respiratory Protection (Specify Type) –

NIOSH Mechanical filter suitable for mists or vaporst.

Ventilation –

Local Exhaust: Provide local exhaust

Mechanical (General):

Special:

Other:

Protective Gloves: Chemical impermeable, rubber gloves

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.