IDENTITY (As Used on Label & List): CS-501  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 Recommend</th>
<th>Other Limits</th>
<th>% (Opt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>none</td>
<td>none</td>
<td>none</td>
<td>1-5</td>
</tr>
<tr>
<td>Isoascorbic Acid, Sodium Salt</td>
<td>none</td>
<td>none</td>
<td>none</td>
<td>1-5</td>
</tr>
<tr>
<td>CAS# 6381-77-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS# 7732-18-5</td>
<td></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>-212 °F</td>
</tr>
<tr>
<td>Specific Gravity (H₂O = 1)</td>
<td>1.01</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</td>
<td>unknown</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>complete</td>
</tr>
<tr>
<td>(Butyl Acetate = 1)</td>
<td></td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Clear to cloudy (white) liquid with no noticeable odor</td>
</tr>
</tbody>
</table>

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) – not flammable
Flammable Limits – not flammable

Extinguishing Media –
- Water. CO₂. (Product is not flammable as supplied).

Special Fire Fighting Procedures –
- None normally required

Unusual Fire and Explosion Hazards –
- None known

Section V – Reactivity Data
### Stability

<table>
<thead>
<tr>
<th>Stable</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td></td>
</tr>
</tbody>
</table>

### Incompatibility (Materials to Avoid)

- Avoid contact with oxidizing agents

### Hazardous Decomposition of Byproducts

- None known

### Hazardous Polymerization

- May Occur: Conditions to Avoid – none known
- Will Not Occur: X

### Section VI – Health Hazard Data

#### Routes of Entry – (Inhalation?) (Skin?) (Ingestion?)

- Skin, Eye, Inhalation, and Ingestion

#### Health Hazards (Acute and Chronic –)

- Excessive eye or skin contact may cause irritation.
- Excessive inhalation may cause minor respiratory irritation.
- Not known to be toxic if accidentally ingested.

#### Carcinogenicity – NTP? IARC Monographs? OSHA Regulated?

- Not listed as a carcinogen.
- ARC – no
- OSHA – no

#### Signs and Symptoms of Exposure –

- Eye, skin, or inhalation may cause irritation.

#### 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 if irritation develops.
- Skin – Flush area with water. Wash with soap and water.
- Ingestion – No first aid is generally required. Consult a physician.
- Inhalation – Remove to fresh air.

### Section VII – Precautions for Safe Handling and Use

#### Steps to be Taken in Case Material is Released or Spilled –

- Dyke or absorb with inert material such as vermiculite or clay. Wash area with water to remove traces.

#### Waste Disposal Method –

- Comply with all local, state, and federal EPA regulations for disposal.

#### Precautions to be Taken in Handling and Storing –

- Avoid breathing dusts or mists. Store in a tightly closed container in a cool area. KEEP CONTAINER CLOSED WHEN NOT IN USE – PRODUCT LOOSES EFFECTIVENESS OVER TIME WHEN EXPOSED TO AIR.

#### Other Precautions –

- None normally required.

### Section VIII – Control Measures
Respiratory Protection (Specify Type) –
  Use NIOSH approved respirator for dusts and mists.
Ventilation – 
  Local Exhaust: Recommended
  Mechanical (General): Not normally needed
  Special: 
  Other: 

Protective Gloves: Rubber gloves
Eye Protection: Splash proof goggles or glasses.
Other Protective Clothing or Equipment –
  None normally needed. Have an Eyewash and Safety Shower on hand.
Work/Hygienic Practices –
  Wash thoroughly after handling.