IDENTITY (As Used on Label & List): CA-1 Resin Cleaner

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

Hazardous Components | OSHA PEL | ACGIH/TLV | Other Limits Recommend | % (Opt)
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None | none | none | none | none
Citric Acid, anhydrous | none | none | none | none
CAS# 77-92-97

Section III – Physical/Chemical Characteristics

Boiling Point | - not applicable | Specific Gravity (H₂O = 1) | - solid
Vapor Pressure (mm Hg) | - not applicable | Melting Point | - Unknown
Vapor Density (Air = 1) | - not applicable | Evaporation Rate | - not applicable
Solubility in Water | - 59.2% @ 20C (Butyl Acetate = 1) |
Appearance and Odor | - White powder, odorless |

Section IV – Fire and Explosion Hazard Data

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

Extinguishing Media –
Dry chemical, carbon dioxide, water spray or foam

Special Fire Fighting Procedures –
Wear self-contained breathing apparatus and full protective clothing. Remove containers from fire if possible. Cool containers exposed to flame with water.

Unusual Fire and Explosion Hazards –
High concentrations of dust in the air may form explosive mixture.
Section V – Reactivity Data

Stability – Stable: X   Conditions to Avoid – None known.
Unstable: None known.

Incompatibility (Materials to Avoid) – Strong oxidizers, Metallic nitrates

Hazardous Decomposition of Byproducts – Thermal decomposition results in acid fumes, carbon monoxide, and carbon dioxide.

Hazardous Polymerization –
May Occur: Conditions to Avoid – None known
Will Not Occur: X

Section VI – Health Hazard Data

Routes of Entry – Skin, Eye, Inhalation, and Ingestion

Health Hazards (Acute and Chronic –
Inhalation may cause irritation of upper respiratory system, coughing and shortness of breath. Ingestion may cause abdominal pains, nausea, and vomiting. May cause irritation, swelling and pain. Prolonged contact may cause burns. May irritate eyes, causing stinging, tearing, redness, and swelling.

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

Signs and Symptoms of Exposure – Irritation of exposed area.

Medical Conditions Generally Aggravated by Exposure – Can aggravate existing skin and lung conditions (such as asthma).

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 – Flush area with water. Wash with soap and water. Remove clothing and wash before reuse.
Ingestion – If conscious, give 2 glasses of water or milk. DO NOT INDUCE VOMITING. Get medical help. Never give anything by mouth to an unconscious person.
Inhalation – Remove to fresh air. If breathing is difficult, give oxygen and get medical help.

Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled –
Contain spill. Sweep or vacuum into containers for disposal according to local, state and federal regulations.

Waste Disposal Method –
Comply with all local, state, and federal EPA regulations for disposal. Product may have to be neutralized with a dilute alkaline material before disposal.

Precautions to be Taken in Handling and Storing –
DO NOT BREATH DUST. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING. KEEP CONTAINER CLOSED WHEN NOT IN USE. WASH THOROUGHLY AFTER HANDLING. Store in a cool, DRY, place. Store away from strong oxidizers. Protect container from damage. WARNING: Empty container retains product residue and vapors. Observe all precautions even after container is emptied. Do not cut, grind, or weld container.

Other Precautions –
Wear all protective equipment when handling. Do not wear contact lenses when handling. The possibility of injury to the eyes is increased.

Section VIII – Control Measures

Respiratory Protection (Specify Type) –
Use NIOSH approved respirator for dusts and mists.

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

Protective Gloves: Rubber gloves, Chemical impermeable.

Eye Protection: Chemical safety goggles or glasses.

Other Protective Clothing or Equipment –
Full body covering clothing. Have an Eyewash and Safety Shower on hand.

Work/Hygienic Practices –
Wash thoroughly after handling, flushing well with water.