IDENTITY (As Used on Label & List): B-4SC  Boiler 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

Hazardous Components OSHA PEL ACGIH/TLV Other Limits Recommend % (Opt)

Cobalt Sulfate CAS# 10026-24-1 Not listed As Co Metal none Dust: .1mg/m3

Water CAS# 7732-18-5

Section III – Physical/Chemical Characteristics

Boiling Point - 212 °F Specific Gravity (H2O = 1) - 1.01
Vapor Pressure (mm Hg) - unknown Melting Point - not applicable
Vapor Density (Air = 1) - unknown Evaporation Rate - unknown
Solubility in Water - complete (Butyl Acetate = 1)
Appearance and Odor - Pink to red liquid. No odor..

Section IV – Fire and Explosion Hazard Data

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

Extinguishing Media – Water

Special Fire Fighting Procedures – Wear self-contained breathing apparatus when large quantities are involved in fire.

Unusual Fire and Explosion Hazards – None known

Section V – Reactivity Data
Stability – Stable: X  Conditions to Avoid –
Unstable:  Mixing with strong acids and bases.

Incompatibility (Materials to Avoid) –
Materials not compatible with water will not be compatible with this product. Heat may be evolved on addition of acids.

Hazardous Decomposition of Byproducts –
Combustion or decomposition products from burning dry polymer may include CO, CO₂, and hydrocarbons.

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

Section VI – Health Hazard Data

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

Health Hazards (Acute and Chronic –
May cause local dermatitis which is relieved when removed. Toxicity due to ingestion is low.

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

Signs and Symptoms of Exposure –
Itching and irritation of skin

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 soapy water. Remove contaminated clothes & footwear and wash before reuse.
Ingestion – Treatment should be symptomatic. Not known to have toxic effects. Do not induce vomiting or 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 –
Stop leaks and contain. Pick up in a container for disposal. Flush area with water.

Waste Disposal Method –
Follow all local, state, and federal EPA regulations for disposal.

Precautions to be Taken in Handling and Storing –
Keep container closed and protect against physical damage. Avoid contact with skin, eyes, and clothing. Store in a cool place.

Other Precautions –
Use with adequate ventilation.
Section VIII – Control Measures

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

Ventilation –
Local Exhaust: Normal housekeeping
Mechanical (General): Normal housekeeping
Special:
Other:

Protective Gloves: 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.