IDENTITY (As Used on Label & List): L-150  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)
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Tetrapotassium Pyrophosphate | none | 5mg/m3 as pyrophosphate dust | 5mg/m3 as pyrophosphate dust | 5mg/m3 as pyrophosphate dust
Sodium Polyacrylate | none | none | none | none
Water | CAS# 7732-18-5 |

Section III – Physical/Chemical Characteristics

Boiling Point | - Unknown | Specific Gravity (H₂O = 1) | 1.14
Vapor Pressure (mm Hg) | - Unknown | Melting Point | - Unknown
Vapor Density (Air = 1) | - Unknown | Evaporation Rate | - Unknown
Solubility in Water | Miscible | (Butyl Acetate = 1)
Appearance and Odor | - Clear to pale white or amber liquid with slight odor.

Section IV – Fire and Explosion Hazard Data

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

Extinguishing Media –
Dry polymer could burn, use water spray, ABC dry chemical, protein-type air foams. Carbon dioxide may be ineffective on larger fires due to lack of cooling capacity. May result in reignition.
Special Fire Fighting Procedures –
Wear positive pressure self-contained breathing apparatus (SCBA). Ventilate well. Personnel not wearing suitable respiratory protection must evacuate due to toxic combustion gases. Wear SCBA during clean-up.

Unusual Fire and Explosion Hazards –
None known.

Section V – Reactivity Data

Stability – Stable: X Unstable: 

Incompatibility (Materials to Avoid) –
Materials which are 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 of burning dry polymer may include CO, CO2, and hydrocarbons.

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) –
Will cause irritation to eyes and mucous membranes. Can be a skin irritant. Ingestion of large doses may cause nausea, vomiting, and diarrhea.

Carcinogenicity – NTP? IARC Monographs? OSHA Regulated?
Not carcinogenic

Signs and Symptoms of Exposure –
Itching, irritation, and burning of eyes, skin, or mucous membranes.

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.
Ingestion – Do not induce vomiting. Give milk or water to dilute. Get immediate medical aid. 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.

Note to Physician: Large doses may cause nausea, vomiting, and diarrhea. Systemic oral toxicity is extremely rare and has consisted of acidosis and hypocalcemic tetany. Due to the relatively high pH, the risk of esophageal irritation and possible aspiration pneumonitis form emesis must be weighed against the risk of low systemic toxicity in cases of ingestion.
Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled –
Contain spill. Mop up or squeegee into container or absorb with an inert material. Place into closed container and store in a safe place to await disposal. Wash the spill area with salt water or detergent solution. Do not flush chemical into public sewer or water system. CAUTION: Spilled liquid and dried film will be slippery.

Waste Disposal Method –
Dispose of in accordance with local, state, and federal regulations. Incinerate or landfill.

Precautions to be Taken in Handling and Storing –
Store in cool dry place. Make sure all protective apparatus is worn when handling. Keep container closed when not in use.

Other Precautions –
Avoid contamination of water or other products. Do not get in eyes, on skin, or clothing. Keep away from heat or open flame. Keep container closed. Use with adequate ventilation. Wash thoroughly any equipment after handling.

Section VIII – Control Measures

Respiratory Protection (Specify Type) –
NIOSH approved mask for mists.

Ventilation –
Local Exhaust: Adequate ventilation recommended
Mechanical (General):
Special:
Other:

Protective Gloves: Rubber gloves
Eye Protection: Face shield or goggles

Other Protective Clothing or Equipment –
Clothing must protect areas of the body that risk contact. Have an Eyewash and Safety Shower on hand.

Work/Hygienic Practices –
Wash thoroughly after handling.