IDENTITY: D-84

SECTION I

Manufacturer's Name: CASCADE WATER SERVICES, Inc.
Address: 113 BLOOMINGDALE ROAD, HICKSVILLE, NY 11801
Emergency Telephone Number: 800-424-9300
Telephone Number for Information: 516-932-3030
Date Prepared: 8-30-04

SECTION II  Hazardous Ingredients/Identity Information

OSHA Hazardous Classifications: Irritating to skin. Severely irritating to eyes. Avoid inhalation of mists or vapors.

SECTION III  Physical/Chemical Characteristics

Boiling Point: NT
Specific Gravity (H2O=1): .99
Vapor Pressure (mm Hg.): NT
Melting Point: NA
Vapor Density (AIR=1): NE
Evaporation Rate (Butyl Acetate=1): NE
Solubility in Water: Soluble in water
Appearances and Odor: Clear, slight amber liquid, slight amine odor
pH: 6 - 7

SECTION IV  Fire and Explosion Hazard Data

Flash Point (Method Used): TCC Greater than 212 F
Flammable Limits: NT LEL: NT UEL: NT
Extinguishing Media: Water fog, carbon dioxide, foam, dry chemical
Special Fire Fighting Procedures: Fire fighters should wear full protective gear, including self contained breathing apparatus

NA - not applicable  NT - not tested  NE - not established
Unusual Fire and Explosion Hazards: None

SECTION V  Reactivity Data

Stability: Stable: X  Unstable: X

Conditions to Avoid: None known

Incompatibility (Materials to Avoid): Strong acids, strong alkali, strong oxidizers

Hazardous Decomposition or Byproducts: Oxides of carbon, oxides of nitrogen, and/or ammonia

Hazardous Polymerization: May Occur: X  Will Not Occur: X

Conditions to Avoid: None known

SECTION VI  Health Hazard Data

Route(s) of Entry: Inhalation: X  Skin: X  Ingestion: X

Health Hazards (Acute and Chronic):

1. Effects from Acute Exposure:

   EYE EXPOSURE: Irritant. Effects may range from moderate to severe depending on length of exposure, solution concentration, and first aid measures.

   SKIN EXPOSURE: Irritant. Effects may vary depending on length of exposure, solution concentration, and first aid measures.

   INHALATION: May cause irritation of mucous membranes and the lungs. Exposed individuals should be monitored for respiratory distress, bronchitis or pneumonia.

   INGESTION: Ingestion is not expected to be a primary route of exposure.

2. Effects from Chronic Exposure:

   The effects from chronic exposure to this product have not been fully evaluated.

   ACUTE EFFECTS: Not tested. Expected to be moderately toxic based on components.

   IRRITANT EFFECTS: Severely irritating to the eye. Irritating to skin.

   SENSITIZATION EFFECTS: Not tested, not expected to be a sensitizer.

   CARCINOGENIC POTENTIAL: Not tested. Not shown as a carcinogen by OSHA, IARC, or NTP.

   TARGET ORGAN EFFECTS: Skin and eyes (irritation) are expected to be the primary target organs of this product.
OTHER HEALTH EFFECTS: None known.

Eye Exposure: Flush immediately with copious amounts of tap water or normal saline (minimum of 15 minutes). Take exposed individual to a health care professional, preferably an ophthalmologist, for further evaluation.

Skin Exposure: Wash exposed area with plenty of soap and water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists, consult a health care professional.

Inhalation: If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth with copious amounts of water or milk, first. Irrigate the esophagus and dilute stomach contents by slowly giving one (1) to two (2) glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semi-comatose, comatose or convulsing, DO NOT GIVE FLUIDS BY MOUTH. In case of intentional ingestion of the product seek medical assistance immediately; take individual to the nearest medical facility.

NOTE TO PHYSICIAN: No specific antidote is known. Probable mucosal damage may contraindicate the use of gastric lavage. Treat symptoms.

SECTION VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: IMPORTANT. Before responding to a spill or leak of this product, review each section of this MSDS. Check the Fire and Explosion Data section to determine if the use of non-sparking tools is merited. Insure that spilled or leaked product does not come into contact with materials listed as incompatible. If irritating fumes are present, consider evacuation of enclosed areas.

Initially minimize area effected by the spill or leak. Block any potential routes to water systems (e.g., sewers, streams, lakes, etc.). Based on the product's toxicological and chemical properties, and on the size and location of the spill or leak, assess the impact on contaminated environments (e.g., water systems, ground, air equipment, etc.). There are no methods available to completely eliminate any toxicity this product may have on aquatic environments. Minimize adverse effects on these environments. Determine if federal, state and/or local release notification is required (see Regulatory Classifications section of this MSDS). Recover as much of the pure product as possible into appropriate containers. Later, determine if this recovered product can be used for its intended purpose. Address clean-up of contaminated environments. Spill or leak residuals may have to be collected and disposed of. Clay, soil, or commercially available absorbents may be used to recover any material that can not readily be recovered as pure product. Flushing residual material to an industrial sewer, if present at the site of a spill or leak incident, MAY BE acceptable if authorized approval is obtained. If product and/or spill/leak residuals are flushed to an industrial sewer, insure that they do not come into contact with incompatible materials. Contact the person(s) responsible for the operation of your facility's industrial sewer system prior to intentionally flushing or pumping spills or leaks of this product to the industrial sewer.

Contaminated Materials: Determine if waste containing this product can be handled by available industrial effluent system or other on-site waste management unit. If off-site management is required, contact a company experienced in industrial waste management. This product is not specifically listed in 40 CFR 261 as a Resource Conservation and Recovery Act (RCRA) hazardous waste. HOWEVER, spill or leak residuals MAY meet the criteria of a characteristic hazardous waste under this Act. Check the characteristics of the material to be disposed of and/or the physical and reactivity data given in this MSDS for the product.

Container Disposal: Empty containers, as defined by appropriate sections of the RCRA, are not RCRA hazardous wastes. However, insure proper management of any residuals remaining in container.

SECTION VIII Control Measures

Respiratory Protection (Specify Type): Respirator with organic mist cartridge if mist is generated

Ventilation (Local/Mechanical/Special): Local

Protective Gloves: Rubber gloves

Eye Protection: Indirect ventilation goggles

Other Protective Clothing or Equipment: Eye-wash fountains in the work area are strongly recommended, body protective clothing, and rubber safety shoes.

Work/Hygienic Practices: Good hygienic practices

SECTION IX Regulatory Information

The following Regulations are known to apply to the use and disposal of this product. Additional Federal, State and Local regulations may also be applicable.

SARA (Superfund Amendments and Reauthorization Act):

SARA 302 Extremely Hazardous Substances List (40 CFR 300): No components of this product are listed.

SARA 312 Hazard Category: Immediate (acute) health hazard

SARA 313 Toxic Chemicals List: No Section 313 listed substances are present above the de minimus levels.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act): No components of this product are listed.
RCRA (Resource Conservation and Reclamation Act) Listed Hazardous Wastes: No components of this product are listed.

CWA (Clean Water Act, 40 CFR 401.15) Listed Substances: No components of this product are listed.

FDA (Food and Drug Administration): This product is not approved for food contact uses.

TSCA (Toxic Substances Control Act) Applicability: All components are listed on TSCA Inventory.

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act): This product is not a registered pesticide.

HMIS/NPCA Ratings: Health 2; Flammability 1; Reactivity 1

NFPA Ratings: Health 2; Flammability 1; Reactivity 1

THE DATA IN THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL IN ANY PROCESS. THE INFORMATION SET FORTH HEREIN IS FURNISHED FREE OF CHARGE AND IS BASED ON TECHNICAL DATA THAT NORTECH WATER & ENERGY, INC. BELIEVES TO BE RELIABLE. IT IS INTENDED FOR USE BY PERSONS HAVING TECHNICAL SKILL AND AT THEIR OWN DISCRETION AND RISK. SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL, WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, AND ASSUME NO LIABILITY IN CONNECTION WITH ANY USE OF THIS INFORMATION. NOTHING HEREIN IS TO BE TAKEN AS A LICENSE TO OPERATE UNDER OR A RECOMMENDATION TO INFRINGE ANY PATENTS.