IDENTITY: CS-46D

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

Hazardous Components (Specific Chemical Identity; Common Names):
- Sodium Nitrite                           CAS# 7632-00-0
- Sodium Tetraborate Pentahydrate          CAS# 1330-43-4
- Sodium Hydroxide                         CAS# 1310-73-2
- Sodium 2-Mercaptobenzothiazole           CAS# 2492-26-4
- Sodium Silicate                          CAS# 1344-09-8
- Phenolphthalein                          CAS# 77098

OSHA PEL: NA
ACGIH TLV: NA
Other Limits Recommended: NA
%: NA

SECTION III  Physical/Chemical Characteristics

Boiling Point: 212 F
Specific Gravity (H2O=1): 1.24
Vapor Pressure (mm Hg.): 24mm
Melting Point: NA
Vapor Density (AIR=1): NA
Evaporation Rate (Butyl Acetate=1): NA
Solubility in Water: Miscible
Appearances and Odor: Red, odorless liquid

SECTION IV  Fire and Explosion Hazard Data

Flash Point (Method Used): NA
Flammable Limits: NA        LEL: NA        UEL: NA
Extinguishing Media: Water
Special Fire Fighting Procedures: Firefighters should wear self-contained NIOSH approved, breathing apparatus with a full face piece. Full protective clothing should also be provided. Use water spray to cool fire exposed containers or to drench spilled oxidizer material.
Unusual Fire and Explosion Hazards: NA

SECTION V Reactivity Data

Stability: Stable: X Unstable:

Conditions to Avoid: Temperatures above 320 C: decomposes to yield oxides of nitrogen which are toxic and are also oxidizers.

Incompatibility (Materials to Avoid): Hazardous reaction can occur with acids, ammonium compounds, reducing agents

Hazardous Decomposition or Byproducts: Toxic, gaseous nitrogen oxides, which are oxidizers. Leaves a caustic residue

Hazardous Polymerization: May Occur: Will Not Occur: X

Conditions to Avoid: NA

SECTION VI Health Hazard Data

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

Health Hazards (Acute and Chronic): NA

Carcinogenicity: NA NTP: NA IARC Monographs: NA OSHA Regulated: NA

Signs and Symptoms of Exposure: Ingestion may cause dizziness and nausea. Irritant to skin and eyes.

Medical Conditions Generally Aggravated by Exposure: NA

Emergency and First Aid Procedures:

EYES: Immediately flush with large amounts of water for at least 15 minutes while holding the eyelids open. Contact a physician immediately.

SKIN: Immediately remove contaminated clothing and flush area with large quantities of water for at least 15 minutes. Contact a physician if irritation develops.

INGESTION: If patient is conscious, give several glasses of water for dilution effect and contact a physician immediately. Do not give an unconscious person anything by mouth.

INHALATION: Remove from contaminated atmosphere. If breathing has stopped, give artificial respiration, then oxygen if needed. Contact a physician.
SECTION VII  Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Prevent product from entering drinking water supplies or streams. Collect product for salvage or package for disposal according to local, state and federal regulations.

Waste Disposal Method: Dispose of waste product in accordance with state and local regulations.

Precautions to be Taken in Handling and Storing: Store at room temperature.

Other Precautions: NA

SECTION VIII  Control Measures

Respiratory Protection (Specify Type): NA

Ventilation (Local/Mechanical/Special): Local

Protective Gloves: Impermeable

Eye Protection: Goggles

Other Protective Clothing or Equipment: NA

Work/Hygienic Practices: Good hygienic practices.

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.