IDENTITY: R-93

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):

Diethylaminoethanol  CAS# 100-37-8  TLV-OSHA TWA 10 ppm, 50mg/m2 based on 100% material
Cyclohexylamine       CAS# 108-91-8  TLV AIR 10ppm based on 100% concentration

OSHA PEL: NA
Other Limits Recommended: NA

SECTION III Physical/Chemical Characteristics

Boiling Point: 212 F
Specific Gravity (H2O=1): .99
Vapor Pressure (mm Hg.): NE
Melting Point: NA
Vapor Density (AIR=1): NE
Evaporation Rate (Butyl Acetate=1): NE
Solubility in Water: Complete
Appearances and Odor: Water white liquid, mild fishy odor.

SECTION IV Fire and Explosion Hazard Data

Flash Point (Method Used): 131 F PMCC
Flammable Limits: NE  LEL: NE  UEL: NE
Extinguishing Media: Water spray, water fog, dry chemical, CO2, foam. Water may be ineffective on flames, but should be used to cool fire-exposed containers and provide protection for persons attempting to stop the leak.

Special Fire Fighting Procedures: Wear special chemical protective clothing and positive pressure self-contained breathing apparatus. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products.

NA - not applicable  NE - not established
Unusual Fire and Explosion Hazards: Flammable materials may release vapors that travel long distances, ignite and flash back. Containers may explode in a fire. Do not expose to heat, sparks, flame or other sources of ignition. When handling, use non-sparking tools, ground and band all containers.

SECTION V  Reactivity Data

Stability: Stable: X Unstable:

Conditions to Avoid: Heat and open flame.

Incompatibility (Materials to Avoid): Strong acids and oxidizers.

Hazardous Decomposition or Byproducts: Carbon monoxide, CO2 and Nitrogen oxides

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):

Cyclohexylamine oral (rat) LD50 = 348mg/kg /156/mg/kg

Diethylaminoethanol oral (rat) LD50 = 1300mg/kg

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

Signs and Symptoms of Exposure:

Eyes: Corrosive, causes irritation or burns to eyes and mucous membranes.

Skin: Corrosive, irritant. May cause burns or dermatitis.

Medical Conditions
Generally Aggravated by Exposure: NA

Emergency and First Aid Procedures:

EYES: Flush with plenty of water for 15 min. See a physician.

SKIN: Wash with soap and water. Wash contaminated clothing before reuse. Discard contaminated shoes.

INGESTION: Do not induce vomiting. Give plenty of water or milk. Get medical attention.

INHALATION: Remove to fresh air.
SECTION VII  Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:  Extinguish all ignition sources. Ventilate area. Prevent spread of spill. Absorb with sand or inert material. Place in metal container and seal.

Waste Disposal Method:  In accordance with local, state and federal regulations. Cyclohexylamine Aquatic Toxicity: 96 hour LC 50: 100-1000ppm based on 100% material.

Precautions to be Taken in Handling and Storing:  Store away from heat and open flame in a well ventilated area. Wash thoroughly after handling. Do not get into eyes, on skin or clothing. Do not breathe vapors.

Other Precautions:  Empty container may contain hazardous residues. Do not grind, or weld on or near container. Explosion hazard. Do not use zinc or aluminum valves to draw off material.

SECTION VIII  Control Measures

Respiratory Protection (Specify Type): Amine cartridge

Ventilation (Local/Mechanical/Special):  Use with adequate ventilation.

Protective Gloves:  Impermeable

Eye Protection:  Chemical goggles

Other Protective Clothing or Equipment:  NA

Work/Hygienic Practices:  Avoid repeated personal and clothing contact.