MATERIAL SAFETY DATA SHEET

I. GENERAL INFORMATION

Code, Trade Name: ND2272, CAN Solution
Chemical Name: Ceric Ammonium Sulfate/Sulfuric Acid in H2O
Chemical Family: Inorganic Acid & Salt in Water

II. HAZARDOUS INGREDIENTS

Ceric Ammonium Nitrate, CAS #16774-21-3 60% W/V
TLV/PEL: Not Established  TXDS: N/A

* Sulfuric Acid, CAS #7664-93-9 27% W/V
TLV: 1 mg/cu.m (TWA)  TXDS: orl-rat LD50: 2140 mg/kg
Carcinogenicity: Strong inorganic acid mists containing sulfuric acid can cause cancer.

III. HEALTH HAZARD DATA

Contact may cause permanent damage to eyes, severe burns, and ulcerations on skin. Inhalation may damage respiratory tract.
Routes of Entry: Ingestion, Inhalation, Skin Contact.

First Aid:
Eyes: Flush with water for at least 15 min. Get immediate medical assistance!
Skin: Remove contaminated clothing and wash with soap and water.
Inhalation: Move to fresh air & give artificial respiration if breathing has stopped.
Ingestion: Do not induce vomiting. Dilute by giving milk or water. Get immediate medical assistance!

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE!

IV. PHYSICAL DATA

Boiling Point: N/A Specific Gravity: N/A
Vapor Density: N/A
Water Solubility: Miscible
Appearance & Odor: Clear, orange liquid

V. FIRE & EXPLOSION HAZARD DATA

Flash Point: Nonflammable
Extinguishing Media: Dry chemical
Special Procedures: Wear self contained breathing apparatus, protective clothing, and face shield if necessary.
Unusual Fire & Explosion Hazards:
Can react with metals to form hydrogen gas which can form explosive mixtures with air.

VI. REACTIVITY DATA

Conditions To Avoid: Heat and contact with bases, reducing agents, and metal powders.

Hazardous Combustion & Decomposition Products: SOx, Cem pd.

VII. SPECIAL PROTECTION

Provide adequate general and local exhaust ventilation.
Protect eyes and skin with safety goggles and gloves.
Wear protective clothing while handling this product.
Do not get in eyes, on skin or clothing.
Wear self contained breathing apparatus in high vapor areas.
Do not breathe vapors or mist.

VIII. HANDLING AND STORAGE PRECAUTIONS

Keep container tightly closed.
Store in cool, dry, well ventilated area.
Keep away from ignition source.
Wash thoroughly after handling.

IX. ENVIRONMENTAL PROTECTION

Spill Response: Neutralize with soda ash, absorb with sand or vermiculite and scoop up and containerize for proper disposal.
Waste Disposal: Comply with all local, state and federal regulations.

* Toxic chemical or chemicals subject to the reporting requirements of Section 313, SARA Title III.

The above information is to be used only as a guide, and does not profess to be all inclusive. Cascade Water Services shall not be held liable for any damage resulting from the handling or contact with the above product.

N/A = Not Available
Issue Date: 12/03
Revised:

Empty containers may be hazardous due to retained residue.

DOT - Corrosive Liquid, N.O.S./UN1760 (PGII) (contains Sulfuric Acid)