



Sept 1, 1990

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

Trebla Chemical  
8417 Chapin Industrial Drive  
St. Louis, MO 63114  
800-325-4404  
314-423-1919  
FAX 314-423-3914

## MATERIAL SAFETY DATA SHEET

### SECTION I - General Information

**Product Name:** Trecon Silver Plus Electro Wash  
**Catalog Number:** 10SW121  
**Formula:** Aqueous solution

### SECTION II - Product and Hazardous Ingredients Information

ITEM	CAS #	PERCENT	PEL	SARA	
				RQ /	TPQ
Ammonium Sulfite	10192-30-0	25-30	N/A	N/A	N/A
Ammonium Hydroxide	1336-21-6	10-15	N/A	N/A	N/A
Ethylenediamine Tetracetic Acid	60-00-4	5-10	N/A	N/A	N/A
Water	7732-18-5	N/A	N/A	N/A	N/A

### SECTION III - Physical Data

**BOILING POINT:** >212° F  
**VAPOR DENSITY (mmHG):** ~ 0.6  
**SPECIFIC GRAVITY:** 1.19  
**PERCENT VOLATILE BY WEIGHT:** ~ 65 %  
**APPEARANCE AND ODOR:** Clear, colorless, slight ammonia odor.

**VAPOR PRESSURE (mmHg):** ~ 17  
**SOLUBILITY IN WATER:** Complete  
**pH:** ~ 9.15  
**EVAPORATION RATE:** N/A

### SECTION IV - Fire and Explosion Hazard Data

**Flash Point:** None  
**Flammable Limits: LEL:** N/A **UEL:** N/A  
**Extinguishing Media:** Water spray, alcohol resistant foam, CO<sub>2</sub>, dry chemical.  
**Special Fire Fighting Procedures:** Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.  
**Unusual Fire and Explosions Hazards:** When heated to decomposition, it can emit toxic fumes of Ammonia, NO<sub>x</sub> and SO<sub>x</sub>.

### SECTION V - Health Hazard Data

**TLV (ACGIH):** Ammonium Hydroxide, 1ppm(TWA).  
**Effects of Overexposure:**  
**Inhalation:** Vapor can be very irritating but is a low hazard under normal conditions.  
**Eyes:** Vapors may cause irritation. Contact causes burns.  
**Skin:** Prolonged or repeated contact may result in irritation. May cause burns.  
**Ingestion:** Harmful if swallowed. May cause nausea and vomiting.  
**Emergency First Aid Procedures:**  
**Eyes:** Flush with water for 15 minutes. Seek medical attention immediately.  
**Skin:** Flush with water. If irritation occurs, call physician.  
**Ingestion:** Drink water or milk. Induce vomiting and seek medical attention immediately giving full details on amount ingested and toxicity.  
**Inhalation:** Move to fresh air.  
**NON-CARCINOGENIC:** •Teratogenicity: N/A • Reproductive Toxicity: N/A • Mutagenicity: N/A • Synergistic Products: N/A

## **SECTION VI - Reactivity Data**

**Stability:** Stable.

**Incompatibility:** Strong acids.

**Hazardous Decomposition Products:** When heated to decomposition, it can emit toxic fumes of Ammonia, NO and SO .

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Do not store in temperatures above 100° F. Do not store near strong acids.

## **SECTION VII - Spill or Leak Procedure**

**Steps to be taken in Case Material is Released or Spilled:** Wear protective clothing as specified in Section VIII. Neutralize with sodium bicarbonate. If federal, state and local laws permit, flush to the sewer with large amounts of water.

**Waste Disposal:** Neutralize with sodium bicarbonate. If federal, state and/or local laws permit, flush to sewer with large amounts of water. Otherwise dispose of contaminated product and materials used in cleaning up the spill in a manner approved for this material. Consult proper federal, state and/or local regulatory agencies to ascertain proper disposal procedures.

## **SECTION VIII - Special Protection Information**

**Respiratory Protection (Specify Type):** Should not be necessary under normal conditions. If exposed to vapors or a TLV of 1ppm for ammonium hydroxide is exceeded, wear an approved ammonia respirator.

**Ventilation:** Good local mechanical ventilation should be sufficient.

**Protective Equipment:**

**Gloves:** Impervious gloves.

**Eyes:** Wear protective goggles.

**Other:** As necessary to prevent skin contact. Eyewash station in vicinity of use.

## **SECTION IX - Special Precautions**

**Precautions to be taken in Handling and Storage:** Do not store in temperatures above 100° F. Do not store near strong acids. Wash thoroughly after use.

The information contained in this material safety data sheet is furnished without warranty of any kind. The user should consider this data a supplement to other information gathered and must make independent determination of suitability and completeness of information from this and other sources to assure proper use and disposal of this materials and the health and safety of employees and customers. This statement is incorporated as part of this Material Safety Data Sheet.