



Sept 1, 1990

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

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MATERIAL SAFETY DATA SHEET

SECTION I - General Information

Product Name: Trecon RA S-Bleach III Regenerator

Catalog Number: 30BL346

Formula: Aqueous solution

SECTION II - Product and Hazardous Ingredients Information

<u>ITEM</u>	<u>CAS #</u>	<u>PERCENT</u>	<u>PEL</u>	<u>SARA</u> <u>RQ / TPQ</u>
Ammonium Bromide	12124-97-9	5-10	N/A	N/A N/A
Ammonium Hydroxide	1336-21-6	1-5	N/A	N/A N/A
Ferric Ammonia PDTA	11687-36-6	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: 1.14

PERCENT VOLATILE BY WEIGHT: ~58 %

APPEARANCE AND ODOR: Red brown, acid odor.

VAPOR PRESSURE (mmHg): ~ 17.0

SOLUBILITY IN WATER: Complete

pH: ~ 4.8

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.

Special Fire Fighting Procedures: Use self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosions Hazards: Material decomposes into NO_x, N₂, HBr, and Br₂ under extreme temperatures. Do not store in temperatures above 100° F.

SECTION V - Health Hazard Data

TLV (ACGIH): Ammonium Hydroxide, 1 ppm (TWA).

Effects of Overexposure:

Inhalation: Expected to be a low hazard under normal conditions.

Eyes: Vapors may cause slight irritation. Contact causes irritation.

Skin: Prolonged or repeated contact may result in irritation.

Ingestion: May cause nausea, weakness, drowsiness, vomiting. Toxicity for Ammonium bromide: LD₅₀ = 0.5 - 5.0 g/kg.

Emergency First Aid Procedures:

Eyes: Flush with water for 15 minutes. Seek medical attention.

Skin: Flush with water. If irritation occurs, call physician.

Ingestion: Drink water or milk. Induce vomiting and seek medical attention. Give full details of 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 mineral acids and strong bases.

Hazardous Decomposition Products: Material decomposes into N_2 , HBr, or Br_2 under extreme temperatures. When heated to decomposition it emits very toxic fumes of NO_x and K_2O . Contact with strong bases may release ammonia.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Do not store in temperatures above 100° F. Do not store near strong mineral 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. If federal, state and local laws permit, flush to the sewer with large amounts of water.

Waste Disposal: 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.

Ventilation: Good local mechanical ventilation should be sufficient.

Protective Equipment:

Gloves: Impervious gloves.

Eyes: Wear protective goggles.

Other: As necessary to prevent skin contact. Eye wash 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 mineral 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.