



June 23, 1998

Health	1
Flammability	0
Reactivity	0
Personal Protection	B

Trebla Chemical
8417 Chapin Industrial Drive
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800-325-4404
314-423-1919
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MATERIAL SAFETY DATA SHEET

SECTION I - General Information

Product Name: Trecon RA-47 Bleach-fix & Replenisher, part A

Catalog Number: 30BF354

Formula: Aqueous Solution

SECTION II - Product and *Hazardous Ingredients Information

<u>Concentrate</u>	<u>CAS #</u>	<u>PERCENT</u>	<u>PEL</u>	<u>SARA</u> <u>RQ / TPQ</u>	
Ferric Ammonium EDTA	021265-50-9	10-15	N/A	N/A	N/A
*Nitric Acid	7697-37-2	<1	2 ppm(TWA)	N/A	N/A
Water	7732-18-5	85-90	N/A	N/A	N/A

*Hazardous per 29CFR 1910.1200

SECTION III - Physical Data

Concentrate

BOILING POINT: >212° F VAPOR PRESSURE (mmHg): same as water

VAPOR DENSITY (mmHg): same as water SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: ~ 1.09 pH: ~ 6.15

EVAPORATION RATE: no data PERCENT VOLATILE BY WEIGHT: ~ 85 %

APPEARANCE AND ODOR: Dark red-brown liquid, slight acetic odor.

SECTION IV - Fire and Explosion Hazard Data

Flash Point: None **Flammable Limits: LEL:** None **UEL:** None

Extinguishing Media: Use water fog, carbon dioxide, dry chemical, or foam.

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

Unusual Fire and Explosions Hazards: Fire may cause product to decompose.

SECTION V - Health Hazard Data

Effects of Overexposure:

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

Eyes: May cause severe transient irritation.

Skin: Repeated and prolonged contact may cause irritation and possible allergic skin reaction.

Ingestion: Do not take internally. Expected to be a low ingestion hazard in low quantities. Large quantities may be harmful.

TLV (ACGIH): Nitric Acid, 2 ppm (TWA)

Emergency First Aid Procedures:

Inhalation: Move to fresh air.

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

Skin: Wash skin with soap and water. If irritation occurs, seek medical attention.

Ingestion: Drink 1-2 glasses of water. Seek medical attention immediately giving full details of amount ingested and toxicity.

Carcinogenicity: N/A • **Teratogenicity:** N/A • **Reproductive Toxicity:** N/A • **Mutagenicity:** N/A • **Synergistic Products:** N/A

SECTION VI - Reactivity Data

Stability: Stable under recommended storage conditions.

Incompatibility: Avoid contact with oxidizing materials. Flammable hydrogen is produced if material encounters carbon steel.

Hazardous Decomposition Products: Can produce oxides of nitrogen and hydrogen gas.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Keep container closed and away from oxidizing materials.

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. Eyewash facilities in vicinity of use. The routine use of a non-alkaline type hand cleaner will minimize the possibility of an allergic skin reaction.

SECTION IX - Special Precautions

Precautions to be Taken in Handling and Storage: Do not store or consume food, drink or tobacco in area. Wash thoroughly after use. Refer to section VI, incompatibility. Store product in original container and keep away from oxidizing materials.

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.



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Product Name: Trecon RA-47 Bleach-fix & Replenisher, part B

Catalog Number: 30BF354

Formula: Aqueous Solution

SECTION II - Product and *Hazardous Ingredients Information

<u>Concentrate</u>	<u>CAS #</u>	<u>PERCENT</u>	<u>PEL</u>	<u>SARA</u> <u>RQ /TPQ</u>	
Ammonium Thiosulfate	7783-18-8	20-25	N/A	N/A	N/A
*Ammonium Bromide	12124-97-9	5-10	5mg/m ³	N/A	N/A
Ammonium Bisulfite	10192-30-0	10-15	N/A	N/A	N/A
Water	7732-18-5	60-65	N/A	N/A	N/A

*Hazardous per 29CFR 1910.1200

SECTION III - Physical Data

Concentrate

BOILING POINT: > 212° F **VAPOR PRESSURE (mmHg):** same as water

VAPOR DENSITY (mmHg): same as water **SOLUBILITY IN WATER:** Complete

SPECIFIC GRAVITY: ~ 1.26 **pH:** ~ 5.70

EVAPORATION RATE: no data **PERCENT VOLATILE BY WEIGHT:** ~ 65 %

APPEARANCE AND ODOR: Clear light yellow color, no odor.

SECTION IV - Fire and Explosion Hazard Data

Flash Point: None **Flammable Limits: LEL:** None **UEL:** None

Extinguishing Media: Use water fog, carbon dioxide, dry chemical, or foam.

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

Unusual Fire and Explosions Hazards: Fire may cause product to decompose into toxic fumes.

SECTION V - Health Hazard Data

Effects of Overexposure:

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

Eyes: May cause severe transient irritation and possible burning. Possible cornea damage.

Skin: Repeated and prolonged contact may cause irritation and possible allergic skin reaction.

Ingestion: Do not take internally. May cause severe irritation and possible burns to the upper digestive tract. Strong irritation to the mucus membranes of the upper digestive tract. May cause sever allergic reaction in some asthmatics and sulfite sensitive individuals.

TLV (ACGIH): Ammonium Bromide, 3mg/m³

Emergency First Aid Procedures:

Inhalation: Move to fresh air.

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

Skin: Wash skin with soap and water. If irritation occurs, seek medical attention.

Ingestion: Make sure victim is conscious. Drink 1-2 glasses of water. Induce vomiting. Seek medical attention immediately giving full details of amount ingested and toxicity.

Carcinogenicity: N/A • **Teratogenicity:** N/A • **Reproductive Toxicity:** N/A • **Mutagenicity:** N/A • **Synergistic Products:** N/A

SECTION VI - Reactivity Data

Stability: Stable under recommended storage conditions..

Incompatibility: Avoid contact with oxidizing materials, acids and alkalis.

Hazardous Decomposition Products: Can produce oxides of nitrogen, hydrogen bromide, ammonia and bromide.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Keep container closed and away from oxidizing materials.

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. Eyewash facilities in vicinity of use. The routine use of a non-alkaline type hand cleaner will minimize the possibility of an allergic skin reaction.

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Precautions to be taken in Handling and Storage: Do not store or consume food, drink or tobacco in area. Wash thoroughly after use. Refer to section VI, incompatibility. Store product in original container and keep away from oxidizing materials.

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.