



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  
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September 5, 1995

## MATERIAL SAFETY DATA SHEET

### SECTION I - General Information

**Product Name:** Trecon EZ Electro Bleach-fix Regenerator, part A

**Catalog Number:** 30BF124

**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 Thiosulfate	7783-18-8	50-55	N/A	N/A N/A
Water	7732-18-5	45-50	N/A	N/A N/A

### SECTION III - Physical Data

**BOILING POINT:** >212° F

**VAPOR PRESSURE (mmHg):** 17

**VAPOR DENSITY (mmHg):** 0.6

**SOLUBILITY IN WATER:** Complete

**SPECIFIC GRAVITY:** 1.34

**pH:** ~ 8.0

**EVAPORATION RATE:** N/A

**PERCENT VOLATILE BY WEIGHT:** ~ 50%

**APPEARANCE AND ODOR:** Clear light yellow color, slight ammonia odor.

### SECTION IV - Fire and Explosion Hazard Data

**Flash Point:** None

**Flammable Limits: LEL:** NA **UEL:** NA

**Extinguishing Media:** Use method appropriate for surrounding fire.

**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 and SO<sub>x</sub>.

### SECTION V - Health Hazard Data

**TLV (ACGIH):** N/A

### Effects of Overexposure:

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

**Eyes:** May cause irritation.

**Skin:** Repeated and prolonged contact may cause irritation.

**Ingestion:** Do not take internally. Expected to be a low hazard. May cause Nausea.

### Emergency First Aid Procedures:

**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:** If conscious, give victim water or milk. Induce vomiting. Seek medical attention immediately giving full details of amount ingested and toxicity.

**Inhalation:** Move to fresh air.

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

## **SECTION VI - Reactivity Data**

**Stability:** Stable.

**Incompatibility:** Strong acids, strong alkalis.

**Hazardous Decomposition Products:** When heated to decomposition, it can emit toxic fumes of ammonia and SO<sub>2</sub>. Contact with strong acids will release SO<sub>2</sub> and contact with strong alkalis will release ammonia.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Do not store near strong acids or strong alkalis.

## **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.

## **SECTION IX - Special Precautions**

**Precautions to be taken in Handling and Storage:** Do not store near strong acids or strong alkalis. Do not consume food, drink or tobacco in vicinity of use. Wash thoroughly after use.

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## MATERIAL SAFETY DATA SHEET

### SECTION I - General Information

**Product Name:** Trecon EZ Electro Bleach-fix Regenerator, part B  
**Catalog Number:** 30BF125  
**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>
Ferric Ammonia EDTA	021265-50-9	40-45	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:** 1.23  
**EVAPORATION RATE:** N/A  
**APPEARANCE AND ODOR:** Red brown, ammonia odor.

**VAPOR PRESSURE (mmHg):** ~ 17.0  
**SOLUBILITY IN WATER:** Complete  
**pH:** ~7.35  
**PERCENT VOLATILE BY WEIGHT:** ~ 55 %

### 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:** Fire sufficient to evaporate water may cause oxides of nitrogen to be formed during combustion.

### SECTION V - Health Hazard Data

**TLV (ACGIH):** N/A

#### 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:** Expected to be a low hazard. May cause nausea.

#### **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.  
**Inhalation:** Move to fresh air.

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

## **SECTION VI - Reactivity Data**

**Stability:** Avoid evaporation to dryness.

**Incompatibility:** Contact with carbon steel produces hydrogen.

**Hazardous Decomposition Products:** Material decomposes into ammonia and nitrogen oxides under fire conditions.

**Hazardous Polymerization:** Will not occur.

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

## **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. Wash thoroughly after use.

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## MATERIAL SAFETY DATA SHEET

### SECTION I - General Information

**Product Name:** Trecon RA Electro EZ Bleach-fix Regenerator, Part C  
**Catalog Number:** 30BF126  
**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 Bisulfite	10192-30-0	65-70	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):** N/A  
**SPECIFIC GRAVITY:** 1.37  
**EVAPORATION RATE:** N/A  
**APPEARANCE AND ODOR:** Clear, yellow. Sulfur Dioxide odor.

**VAPOR PRESSURE (mmHg):** ~17  
**SOLUBILITY IN WATER:** Complete  
**pH:** ~ 5.0  
**PERCENT VOLATILE BY WEIGH** ~ 40%

### SECTION IV - Fire and Explosion Hazard Data

**Flash Point:** None  
**Flammable Limits: LEL:** N/A **UEL:** N/A  
**Extinguishing Media:** Use method appropriate for surrounding fire.  
**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 SOx and ammonia.

### SECTION V - Health Hazard Data

**TLV (ACGIH):** N/A  
**Effects of Overexposure:**  
**Inhalation:** Expected to be a low hazard under normal conditions. Sulfur Dioxide odor may cause irritation to nose and throat.  
**Eyes:** Vapor may cause irritation. Contact will cause severe irritation.  
**Skin:** Repeated and prolonged contact may cause irritation.  
**Ingestion:** Do not take internally. Harmful if swallowed. Will cause severe burns of upper digestive track.  
**Emergency First Aid Procedures:**  
**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:** DO NOT induce vomiting. Seek medical attention immediately giving full details of amount ingested and toxicity.  
**Inhalation:** Move to fresh air.

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

## **SECTION VI - Reactivity Data**

**Stability:** Stable.

**Incompatibility:** Strong acids, strong alkalis.

**Hazardous Decomposition Products:** When heated to decomposition, it can emit toxic fumes of SO<sub>x</sub> and ammonia. Will release Sulfur dioxide if it encounters strong acids. Will release heat and ammonia if it encounters strong alkalis.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Do not store near strong acids or strong alkalis.

## **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 carbonate. If federal, state and local laws permit, flush to the sewer with large amounts of water.

**Waste Disposal:** Neutralize with sodium carbonate. 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 if more than 2 ppm of sulfur dioxide is present, use an approved organic acid 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 facilities in vicinity of use.

## **SECTION IX - Special Precautions**

**Precautions to be taken in Handling and Storage:** Do not store near strong acids or strong alkalis. Wash thoroughly after use.

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