



January 09, 1996

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

Trebla Chemical
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MATERIAL SAFETY DATA SHEET

SECTION I - General Information

Product Name: Trecon RA-X Developer Regenerator, Part A
Catalog Number: 15DX184-A, 30DX306, 30DX309-A, 30DX310-A
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 /</u>	<u>TPQ</u>
Diethylene Glycol	111-46-6	50-55	N/A	N/A	N/A
Diethylhydroxylamine	3710-84-7	15-20	N/A	N/A	N/A
Aminopolycarboxylic acid, Potassium salt	10143-41-6	1-5	N/A	N/A	N/A
Stilbene Derivative	41098-56-0	1-5	N/A	N/A	N/A
Surfactant	N/A	1-5	N/A	N/A	N/A
Water	7732-18-5	N/A	N/A	N/A	N/A

Working Solution

N/A

SECTION III - Physical Data

Concentrate

BOILING POINT: >212° F VAPOR PRESSURE (mmHg): ~ 17.0
VAPOR DENSITY (mmHg): ~ 0.6 SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: ~ 1.07 pH: ~ 10.4
EVAPORATION RATE: N/A PERCENT VOLATILE BY WEIGHT: ~35%
APPEARANCE AND ODOR: Yellow color, amine odor.

Working Solution

N/A

SECTION IV - Fire and Explosion Hazard Data

Flash Point: None

Flammable Limits: LEL: N/A **UEL:** N/A

Extinguishing Media: Use water spray, dry chemical, and carbon dioxide.

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 or heat may cause hazardous decomposition products.

SECTION V - Health Hazard Data

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. Harmful if swallowed. Can cause central nervous system stimulation followed by depression.

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: Induce vomiting. Seek medical attention immediately giving full details of amount ingested and toxicity.

TLV (ACGIH): Diethylene Glycol, 50 PPM.

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 and strong oxidizers.

Hazardous Decomposition Products: Combustion will produce CO and probably CO₂. Incomplete combustion will produce CO. Oxides of nitrogen and sulfur dioxide may also be present.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None Known.

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: 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. Regular use of a non-alkaline hand cleaner will minimize the possibility of an allergic skin reaction. 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 oxidizers. Wash thoroughly after use. Do not consume food, drink or tobacco in vicinity of 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.

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Emergency First Aid Procedures:

Inhalation: Move to fresh air.

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

Skin: Wash skin with non-alkaline 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.

TLV (ACGIH): SO₂ gas is released from contact. TLV = 2ppm. PEL = 5ppm.

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

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Strong oxidizers, strong acids.

Hazardous Decomposition Products: Combustion will produce CO₂ and probably CO. Oxides of nitrogen and sulfur dioxide may also be present.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None Known.

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.

Ventilation: Good local mechanical ventilation should be sufficient.

Protective Equipment:

Gloves: Impervious gloves.

Eyes: Wear protective goggles.

Other: As necessary to prevent skin contact. Regular use of a non-alkaline hand cleaner will minimize the possibility of an allergic skin reaction. Eyewash facilities in vicinity of use.

SECTION IX - Special Precautions

Precautions to be taken in Handling and Storage: Keep away from strong oxidizers and strong acids. 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 RA-X Developer Regenerator, Part C
Catalog Number: 15DX184-C, 30DX308, 30DX309-C, 30DX310-C
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>	
Potassium Carbonate	584-08-7	40-45	N/A	N/A	N/A
* Potassium Hydroxide	1310-58-3	5-10	N/A	N/A	N/A
Water	7732-18-5	N/A	N/A	N/A	N/A

Working Solution

N/A

SECTION III - Physical Data

Concentrate

BOILING POINT: >212° F	VAPOR PRESSURE (mmHg): ~ 18.0
VAPOR DENSITY (mmHg): ~ 0.6	SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: ~ 1.52	pH: ~ 13.0
EVAPORATION RATE: N/A	PERCENT VOLATILE BY WEIGHT: ~55%

APPEARANCE AND ODOR: Clear, colorless and odorless.

Working Solution

N/A

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: Will emit carbon dioxide and possibly carbon monoxide during decomposition.

SECTION V - Health Hazard Data

Effects of Overexposure:

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

Eyes: Vapor may cause irritation. Contact will cause severe burns.

Skin: Possibility of causing severe burns.

Ingestion: Do not take internally. Harmful if swallowed. Can cause severe burns to mouth, esophagus and stomach.

TLV (ACGIH): Potassium Hydroxide, 2mg/m³

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

Emergency First Aid Procedures:

Inhalation: Move to fresh air.

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

Skin: Immediately flush with water for 15 minutes. Remove contaminated clothing. Seek medical attention.

Ingestion: **DO NOT** induce vomiting. Seek medical attention immediately giving full details of amount ingested and toxicity.

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Strong acids.

Hazardous Decomposition Products: Carbon dioxide and possibly carbon monoxide.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None Known.

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.

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: Keep away from strong acids. Do not consume food, drink or tobacco in vicinity of use. Wash thoroughly after use.

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