



January 21, 1997

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: Trelux CN-41 AF Electro Fixer, Part A

Catalog Number: 50FX584

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>
Imidazole	288-32-4	5-10	N/A	N/A N/A
Potassium Sulfite	10117-38-1	25-30	N/A	N/A N/A
EDTA	60-00-4	1-5	N/A	N/A N/A
Water	7732-18-5	55-60	N/A	N/A N/A

Working Solution

N/A

N/A = Not Applicable

SECTION III - Physical Data

Concentrate

BOILING POINT: >212° F

VAPOR PRESSURE (mmHg): ~18

VAPOR DENSITY (mmHg): ~0.60

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: ~ 1.20

pH: ~ 8.00

EVAPORATION RATE: N/A

PERCENT VOLATILE BY WEIGHT: ~ 70

APPEARANCE AND ODOR: clear, odorless.

Working Solution

n/a

SECTION IV - Fire and Explosion Hazard Data

Flash Point: Not Established

Flammable Limits: LEL: None

UEL: None

Extinguishing Media: Use water fog, foam or dry chemical extinguishing media.

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

Unusual Fire and Explosions Hazards: Toxic and irritating gases evolve in fire situations. See section VI.

SECTION V - Health Hazard Data

Effects of Overexposure:

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

Eyes: May cause irritation and burning, which may result in permanent injury.

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

Ingestion: Do not take internally. May cause severe irritation of gastrointestinal tract and possible corrosive damage.

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

Emergency First Aid Procedures:

Inhalation: Move to fresh air. Get medical attention if symptoms persist.

Eyes: Flush with large amounts of water for 15 minutes, holding eyelids apart. Seek medical attention.

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

Ingestion: Do not induce vomiting. Dilute by drinking water or milk. Seek medical attention immediately giving full details of amount ingested and toxicity.

TLV (ACGIH): N/A

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Strong alkalis and strong acids.

Hazardous Decomposition Products: SO₂, CO, CO₂, NO_x, NH₃, HCN.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Keep container closed. Do not store near strong alkalis and 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. 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.

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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MATERIAL SAFETY DATA SHEET

SECTION I - General Information

Product Name: Trelux CN-41 AF Electro Fixer, Part B

Catalog Number: 50FX585

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>
Sodium Thiosulfate	7772-98-7	25-30	N/A	N/A	N/A
Water	7732-18-5	65-70	N/A	N/A	N/A

Working Solution

N/A

N/A = Not Applicable

SECTION III - Physical Data

Concentrate

BOILING POINT: >212° F

VAPOR PRESSURE (mmHg): ~18

VAPOR DENSITY (mmHg): ~0.60

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: ~ 1.3

pH: ~ 8.0

EVAPORATION RATE: N/A

PERCENT VOLATILE BY WEIGHT: ~ 70 %

APPEARANCE AND ODOR: clear, odorless.

Working Solution

N/A

SECTION IV - Fire and Explosion Hazard Data

Flash Point: None

Flammable Limits: LEL: None

UEL: None

Extinguishing Media: Use appropriate method for adjacent 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: Toxic and irritating gases and residue may evolve in fire situations. See section VI.

SECTION V - Health Hazard Data

Effects of Overexposure:

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

Eyes: May cause temporary irritation and burning sensation.

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. May cause irritation of gastrointestinal tract.

Emergency First Aid Procedures:

Inhalation: Move to fresh air. Get medical attention if symptoms persist.

Eyes: Flush with large amounts of water for 15 minutes, holding eyelids apart. Seek medical attention.

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

Ingestion: Drink 1-2 glasses of water. Induce vomiting by putting finger to back of throat. 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

TLV (ACGIH): Sulfur Dioxide - if generated. 2 ppm.

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Strong oxidizers and acids.

Hazardous Decomposition Products: Sulfur Dioxide.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Keep container closed. Avoid temperature greater than 212° 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. 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.

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.