



March 25, 1998

Health	2
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 RT Black & White Film Developer, Part A

Catalog Number: 40DE415

Formula: Aqueous Solution

SECTION II - Product and *Hazardous Ingredients Information

<u>Concentrate</u>	<u>CAS #</u>	<u>PERCENT</u>	<u>PEL (TWA)</u>	<u>SARA</u> <u>RQ / TPQ</u>
Potassium Carbonate	584-08-7	5-10	N/A	N/A N/A
Sodium Sulfite	7757-83-7	1-5	N/A	N/A N/A
*Hydroquinone	123-31-9	1-5	2mg/m ³	1# 500#
*Potassium Hydroxide	1310-58-3	1-5	2mg/m ³	N/A N/A
Water	7732-18-5	70-80	N/A	N/A N/A

SECTION III - Physical Data

BOILING POINT: >212° F

VAPOR DENSITY (mmHg): ~0.60

SPECIFIC GRAVITY: 1.268

EVAPORATION RATE: N/A

APPEARANCE AND ODOR: Light yellow, odorless.

VAPOR PRESSURE (mmHg): ~18

SOLUBILITY IN WATER: Complete

pH: >12.0

PERCENT VOLATILE BY WEIGHT: ~ 70 %

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: Fire or excessive heat may cause production of hazardous decomposition products.

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 burns.

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

Ingestion: Do not take internally. May cause burns or severe irritation to the upper digestive tract.

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. Remove contaminated clothing and thoroughly wash. If irritation occurs, seek medical attention.

Ingestion: DO NOT induce vomiting. Drink 1-2 glasses of water. Seek medical attention immediately giving full details of amount ingested and toxicity.

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

Carcinogenicity: Hydroquinone has shown evidence of carcinogenicity • **Teratogenicity:** N/A • **Reproductive Toxicity:** N/A • **Mutagenicity:** N/A • **Synergistic Products:** N/A

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Strong Acids.

Hazardous Decomposition Products: Thermal decomposition may produce oxides of sulfur.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Keep container closed and away from 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, neutralize with sodium bicarbonate and 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: Trecon RT Black & White Film Developer, Part B

Catalog Number: 40DE416

Formula: Aqueous Solution

SECTION II - Product and *Hazardous Ingredients Information

<u>Concentrate</u>	<u>CAS #</u>	<u>PERCENT</u>	<u>PEL (TWA)</u>	<u>SARA</u>	
				<u>RQ /</u>	<u>TPQ</u>
Sodium Metabisulfite	7681-57-4	10-15	N/A	N/A	N/A
Gluteraldehyde Bisulfite	7520-89-5	5-10	N/A	N/A	N/A
Potassium Sulfite	10117-38-1	5-10	N/A	N/A	N/A
Water	7732-18-5	60-70	N/A	N/A	N/A

SECTION III - Physical Data

BOILING POINT: >212° F

VAPOR PRESSURE (mmHg): ~18

VAPOR DENSITY (mmHg): ~0.60

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 1.227

pH: ~ 6.1

EVAPORATION RATE: N/A

PERCENT VOLATILE BY WEIGHT: ~ 65 %

APPEARANCE AND ODOR: Light yellow, slightly sweet odor.

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: Fire or excessive heat may cause production of hazardous decomposition products.

SECTION V - Health Hazard Data

Effects of Overexposure:

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

Eyes: May slight irritation.

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

Ingestion: Do not take internally.

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

TLV (ACGIH): N/A

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

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Strong mineral acids.

Hazardous Decomposition Products: Thermal decomposition may produce oxides of sulfur.

Hazardous Polymerization: Will not occur.

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