



Health	2
Flammability	0
Reactivity	0
Personal Protection	B

Trebla
8417 Chapin Industrial Drive
St. Louis, MO 63114
Phone 1-800-325-4404

November 4, 1998

MATERIAL SAFETY DATA SHEET

SECTION I - General Information

Product Name: Trechrome - 6 Color Developer and Replenisher, Part A

Catalog Number: 20DE222, 20DE262, 20DE202

Formula: Aqueous Solution

SECTION II - Product and Hazardous Ingredients Information

SARA

<u>ITEM</u>	<u>CAS #</u>	<u>PERCENT</u>	<u>PEL</u>	<u>RQ / TPQ</u>
Tri Potassium Phosphate	7778-53-2	10-15	N/A	N/A N/A
Potassium Hydroxide	1310-58-3	1-5	N/A	N/A N/A
Sodium Sulfite	7757-83-7	1-5	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: ~1.16

PERCENT VOLATILE BY WEIGHT: ~ 80%

APPEARANCE AND ODOR: Clear, yellow, and odorless.

VAPOR PRESSURE (mmHg): ~ 17.0

SOLUBILITY IN WATER: Complete

pH: ~ 12.1

EVAPORATION RATE: 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: When heated to decomposition, it can emit toxic fumes of SO_x.

SECTION V - Health Hazard Data

TLV (ACGIH): Potassium Hydroxide - 2mg/m³(TWA).

Effects of Overexposure:

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

Eyes: Vapor causes irritation. Contact can cause severe burns.

Skin: Repeated and prolonged contact will cause irritation and/or allergic skin reaction.

Ingestion: Harmful if swallowed. May cause nausea and loss of consciousness.

NON-CARCINOGENIC: • **Teratogenicity:** N/A • **Reproductive Toxicity:** N/A • **Mutagenicity:** NA • **Synergistic Products:** N/A

Emergency First Aid Procedures:

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

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

Ingestion: If conscious, drink water or milk. **DO NOT induce vomiting.** Seek medical attention immediately, giving full details of amount ingested and toxicity.

Inhalation: Move to fresh air.

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Strong acids.

Hazardous Decomposition Products: Contact with strong acids will create heat and release SO₂. When heated to decomposition, it can emit toxic fumes of SO_x.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Do not store near 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. 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: Do not store near strong acids. Do not store above 100° F. Wash thoroughly after 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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MATERIAL SAFETY DATA SHEET

SECTION I - General Information

Product Name: Trechrome - 6 Color Developer and Replenisher, Part B

Catalog Number: 20DE222, 20DE203, 20DE262

Formula: Aqueous Solution

SECTION II - Product and Hazardous Ingredients Information

ITEM	SARA CAS #	PERCENT	PEL	RQ / TPQ
4-(N-Ethyl-N-2-methanesulfonylaminoethyl)-2-methylphenylenediamine sesquisulfate monohydrate	25646-71-3	5-10	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: 1.03

PERCENT VOLATILE BY WEIGHT: ~ 90%

APPEARANCE AND ODOR: Clear, amber solution, sulfur dioxide odor.

VAPOR PRESSURE (mmHg): ~ 17.0

SOLUBILITY IN WATER: Complete

pH: ~ 1.8

EVAPORATION RATE: 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: When heated to decomposition, it can emit toxic fumes of Sulfur Dioxide.

SECTION V - Health Hazard Data

TLV (ACGIH): Sulfur Dioxide, 2 PPM (TWA)

Effects of Overexposure:

Inhalation: Vapor may cause irritation to nose and throat. May cause difficulty in breathing. Liberates SO₂ gas.

Eyes: Vapor causes irritation. Contact can cause severe burns.

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

Ingestion: Harmful if swallowed. Will cause severe burns in upper digestive track.

NON-CARCINOGENIC: •Teratogenicity: N/A • Reproductive Toxicity: N/A • Mutagenicity: NA • Synergistic Products: N/A

Emergency First Aid Procedures:

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: If conscious, drink water or milk. **DO NOT induce vomiting.** Seek medical attention immediately, giving full details of amount ingested and toxicity.

Inhalation: Move to fresh air. Get medical attention if breathing becomes difficult.

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Mineral acids and strong alkalis.

Hazardous Decomposition Products: When heated to decomposition it emits toxic fumes of SO_x. Contact with strong acids will release SO₂.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Do not store near mineral acids and 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. An approved acid vapor respirator is necessary when exposed to vapors.

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. Use of a non-alkaline soap will reduce the risk of an allergic skin reaction.

SECTION IX - Special Precautions

Precautions to be taken in handling and storage: Do not store near mineral acids and strong alkalis. Do not store above 100° F. Wash thoroughly after 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.