

American Dental Cooperative

Material Safety Data Sheet

#D-270Q Fix, 274Q

SECTION I - General Information

Product Name: Pre-Mixed Fixer, Quala® Dental Products
Catalog No. 270Q Fix, 274Q

Chemical Family:
Photographic Fixer

Formula:
Aqueous Mixture

Proper D.O.T. Shipping Name:
Not Regulated

D.O.T. Hazard Classification:
Not Applicable

Distributed By:
American Dental Cooperative
402 BNA Drive, Suite 500
Nashville, TN 37217

Telephone Number for Information:
(800) 929-4ADC

SECTION II - Product and Hazardous Ingredients Information

<u>Item #4005</u>	<u>CAS#</u>	<u>PERCENT</u>	<u>PEL (TWA)</u>	<u>SARA</u>	
				<u>RO</u>	<u>TPO</u>
Ammonium Thiosulfate	7783-18-8	10-15	N/A	N/A	N/A
Sodium Sulfite	7757-83-7	1-2	N/A	N/A	N/A
Acetic Acid	64-19-7	1-3	10 ppm	5000#	N/A
Water	7732-18-5	80-85	N/A	N/A	N/A

SECTION III - Physical Data

Boiling Point: >212° F
Vapor Pressure (mmHg): 17.0
Vapor Density (mmHg): 0.6
Solubility in Water: Complete
Appearance and Odor: Clear, slight vinegar odor

Specific Gravity: 1.085
Percent Volatile by Weight: 90%
Evaporation Rate: N/A
pH: 4.40

SECTION IV - Fire and Explosion Hazard Data

Flash Point: None
Extinguishing Media: Use method appropriate for surrounding fire.
Special Fire Fighting Procedures: Use protective clothing to prevent contact with skin and eyes.
Unusual Fire and Explosions Hazards: When heated to decomposition, it can emit toxic fumes of SO₂, and ammonia.

SECTION V - Health Hazard Data TLV (ACGIH): Acetic Acid (25 mg/m3)

Effects of Overexposure:

Inhalation: Low hazard for ordinary industrial handling. Contact with strong acids or if heated, sulfites may liberate sulfur dioxide gas. Sulfur dioxide gas can irritate the respiratory tract. Some asthmatics or hypersensitive individuals may experience difficult breathing.
Eyes: Vapor may cause irritation. Contact may cause burns.
Skin: Repeated and prolonged contact may cause irritation.
Ingestion: Do **Not** take internally. May be harmful if swallowed. Sulfite sensitive individuals may experience wheezing, chest tightness, upset stomach and weakness.

Evidence of Carcinogen: N/A

Teratogenicity: N/A

Reproductive Toxicity: N/A

Mutagenicity: N/A

Synergistic Products: N/A

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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: Induce vomiting only as directed by medical personnel. Seek medical attention immediately giving full details of amount ingested and toxicity.

Inhalation: Move to fresh air. Treat symptomatically.

SECTION VI - Reactivity Data

Stability: Stable.

Incompatibility: Strong acids, strong bases.

Hazardous Decomposition Products: When heated to decomposition, it can emit toxic fumes of SO₂ and ammonia.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

SECTION VII - Spill or Leak Procedures

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 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. If exposed to vapors that exceed TLV or PEL, wear approved vapor 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 or consume food, drink or tobacco in surrounding area. Wash thoroughly after handling.

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 the materials and the health and safety of employees and customers. This statement is incorporated as part of this Material Safety Data Sheet.

Revised: July 15, 2004