

# American Dental Cooperative

## Material Safety Data Sheet

### #D-270Q Dev, 272Q

#### SECTION I - General Information

**Product Name:** Pre-Mixed Developer, Quala® Dental Products  
Catalog No. 270Q Dev, 272Q

**Chemical Family:**  
Photographic Developer

**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 #3905</u>	<u>CAS#</u>	<u>PERCENT</u>	<u>PEL (TWA)</u>	<u>SARA</u> <u>RO/TPO</u>	
Potassium Hydroxide	1310-58-3	1-2	2 mg/m3	1000#	N/A
Sodium Sulfite	7757-83-7	4-8	N/A	N/A	N/A
Hydroquinone	123-31-9	1-2	2 mg/m3	1#	500#
Water	7732-18-5	90-95	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:** Pale yellow, odorless

**Specific Gravity:** 1.075  
**Percent Volatile by Weight:** 95%  
**Evaporation Rate:** N/A  
**pH:** 10.20

#### 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 SO<sub>2</sub>, CO<sub>2</sub> and possibly CO.

#### SECTION V - Health Hazard Data TLV (ACGIH): Hydroquinone (2 mg/m3), Potassium Hydroxide (2 mg/m3)

##### Effects of Overexposure:

**Inhalation:** Low hazard for ordinary industrial handling.  
**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.

##### Evidence of Carcinogen: Hydroquinone

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

##### 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.

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#### **SECTION VI - Reactivity Data**

**Stability:** Stable.

**Incompatibility:** Strong acids, strong bases.

**Hazardous Decomposition Products:** When heated to decomposition, it can emit toxic fumes of SO<sub>2</sub>, CO<sub>2</sub>, and possibly CO.

**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.

**Issue Date: July 14, 2004**