ALLIED
DIAGNOSTIC IMAGING RESOURCES, INC.

Material Safety Data Sheet
#D-27270A

SECTION I - **General Information**

Product Name: REDI-CHEM®Dental A Developer
Catalog No. 27270A, 27272

Chemical Family:
Photographic Developer

Formula:
Aqueous Mixture

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

D.O.T. Hazard Classification:
Not Applicable

Manufacturer:
ALLIED Diagnostic Imaging, Inc.
5440 Oakbrook Parkway
Norcross, GA 30093

Manufacturer's Phone Number:
(770) 448-0250
CHEMTREC Phone Number:
(800) 424-9300

SECTION II - **Product and Hazardous Ingredients Information**

Item #3905	**CAS#**	**PERCENT**	**PEL (TWA)**	**SARA RO/TPO**	
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_2, CO_2, 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

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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.

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_2, CO_2 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. Do not store near strong acids or bases. 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: June 8, 1999

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