

Solutek

SAFETY DATA SHEET

Section 1: Product and Company Identity

Name: **SoluDent PeriSol Developer(Rollerless)**
Product Number: **238-79**
Product Use: **Photographic Developer**
Manufacturer: **Solutek Corporation 94 Shirley Street Boston, MA 02119**
Emergency Health, Safety & Environmental information, call CHEMTREC 1-800-424-9300 (USA)
For other information call 617-445-4335

Section 2 – Hazard(s) Identification

Emergency Overview – Alkaline liquid

Eyes - Irritating to the eyes

Skin - May cause skin irritation. Prolonged contact may dry skin.

Ingestion - May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, vomiting & diarrhea.

Chronic effects : None known

HMS: Health 2, Flammability 0, Reactivity 0,

Section 3 – Composition/information on ingredients

<u>Component</u>	<u>CAS #</u>	<u>%</u>
Water	7732-18-5	80-90
Hydroquinone	123-31-9	10-15
Sodium bisulfite	7631-90-5	3-6
Sodium carbonate	7681-57-4	3-6
Potassium hydroxide	1310-58-3	2-5

Section 4 - First Aid Measures

Eye contact. Flush eyes immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

Skin contact. Flush skin with copious amount of water. Get medical attention if symptoms occur.

Ingestion. If swallowed, do not induce vomiting. Give large quantities of water. Never give anything by mouth to an unconscious person. Call a physician. Refer all cases of ingestion to a poison-control center or a physician. Vomiting should normally be initiated only on their advice and by the means they specify.

Inhalation. If inhaled remove to fresh air. If not breathing, give artificial respiration. Give oxygen if breathing is difficult. Call a physician.

Section 5: - Fire fighting measures

Extinguishing media Suitable: Water spray, carbon dioxide, dry chemical, alcohol foam.

Unsuitable : None

Special protective equipment/precautions for firefighters : Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products.(carbon dioxide, oxides of sulfur)

NFPA Health Hazard – 2

Flammability – 0

Stability - 0

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Section 6 : Accidental release measures

Contain spill if safe to do so.

For Small Amounts : If permitted, flush to sewer with large amounts of water. Clean surfaces thoroughly to remove residual contamination.

For Large Spills : Absorb spill with suitable inert material, then place in a container for disposal.

Section 7 : Handling and storage**Precautions for safe handling:**

Use with adequate ventilation

Avoid contact with eyes and skin

Wash hands before breaks and at the end of work

Wear gloves

Conditions for safe storage:

Store in original container.

Keep between 40 and 90 degree F

Section 8 Exposure controls/personal protection**Exposure limits**

Chemical Name	OSHA PEL	ACGIH (TLV)
Hydroquinone:	2 mg/m3 TWA	1 mg/m3 TWA
Potassium hydroxide	2 mg/m3 TWA	2 mg/m3 TWA
Sodium bisulfite	5mg/m3 TWA	

Ventilation: Good general ventilation (typically 10 air changes per hour) is recommended.

Respiratory Protection: None should be needed in normal handling

Eye protection: Wear safety glasses with side shields or goggles.

Skin protection: Wear chemical resistant gloves and protective clothing appropriate for the risk of exposure.

Section 9 - Physical and chemical properties

Physical Form : Liquid

Boiling Point : Over 100° C

Solubility in water : Complete

Flash point : None

Color : Slight straw

Odor : Odorless

Specific gravity : (water=1) 1.09

pH : 10.4

Section 10 – Stability and reactivity

Chemical Stability :Stable under normal conditions

Possibility of hazardous reactions : None known

Incompatible materials: Strong acids.

Hazardous decomposition products: Sulfur dioxide.

Section 11 Toxicological information

General information:

Skin: Irritant

Sensitization: None known

Carcinogenicity – Not listed

Mutagenic Effects: Unknown

Reproductive Toxicity: Unknown

Hydroquinone	Acute toxicity – 320mg/kg (Rat)	LD50 Dermal >4800mg/kg(rat)
Sodium bisulfite	Acute toxicity – 115mg/kg (Rat)	
Potassium Hydroxide (50%)	Acute toxicity - 333 mg/kg(Rat)	

Section 12 Ecological information

This material is a moderately alkaline aqueous solution which may cause adverse environmental effects.

However the material has not been tested for environmental effects.

It is expected to have a moderate biochemical oxygen demand and may cause oxygen depletion in some aquatic systems. After dilution with large amounts of water, followed by secondary waste treatment, this material is not expected to cause adverse environmental effects.

Section 13 Disposal considerations

Discharge, treatment, or disposal may be subject to federal, state or local regulations. Please check the regulations in your area. Empty containers contain residual material, so dispose of appropriately.

Section 14 Transportation information

DOT : Not a regulated material.

Section 15 Regulatory information

Chemicals subject to reporting requirements of Section 313 or Title III of SARA of 1985 and CFR part 372: :

Hydroquinone 123-31-9 Reportable Quantity (RQ) 100 lb

SARA 313 TV – 1 %

Section 16 Other information

This information is based on our present knowledge. However, this shall not guarantee any specific product features and shall not establish a legally valid contractual relationship.

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