

Solutek

SAFETY DATA SHEET

Section 1: Product and Company Identity

Name: **Solumat Ultra Developer (Part A concentrate)**

Product Number: **268-00**

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

WARNING !

Emergency Overview – Harmful if swallowed

Eyes – Causes irritation

Skin – Causes irritation

Ingestion - May be harmful if swallowed. Ingestion causes nausea, vomiting and diarrhea.

Chronic effects : Expected to be similar to those experienced acutely.

HMIS: Health 2, Flammability 0, Physical 0,

Section 3 – Composition/information on ingredients

<u>Component</u>	<u>CAS #</u>	<u>%</u>
Water	7732-18-5	45-55
Sodium bisulfite	7631-90-5	15-19
Potassium hydroxide	1310-58-3	14-17
Hydroquinone	123-31-9	6-9
Potassium carbonate	584-08-7	5-7

Section 4 - First Aid Measures

Eye contact. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention/advice.

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.

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, Sulfur oxides)

NFPA Health Hazard – 3

Flammability – 1

Stability - 0

Section 6 : Accidental release measures

Contain spill if safe to do so. Use personal protective equipment.
Ensure adequate ventilation. Dike area if possible and absorb with inert absorbent material for proper disposal.

Section 7 : Handling and storage

Precautions for safe handling:

Use with adequate ventilation. Wear personal protective equipment. Do not get in eyes, on skin or clothing. Wash thoroughly after handling.
Keep containers tightly closed
Avoid contact with eyes and skin

Conditions for safe storage:

Store in original container between 68 and 90 °F.

Section 8 Exposure controls/personal protection

Exposure limits

Chemical Name	OSHA PEL	ACGIH (TLV)
Hydroquinone	2 mg/m ³ TWA	1 mg/m ³ TWA
Potassium Hydroxide	2 mg/m ³ TWA	2 mg/m ³ TWA

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

Respiratory Protection: Use with adequate ventilation. Only NIOSH/MSHA respiratory protection should be worn

Eye protection: Wear goggles and face shield.

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 : No data available

Solubility in water : Complete

Flash point : N/A

Color : Straw

Odor : Slight

Specific gravity : (water=1) 1.28

pH : 11.6

Section 10 – Stability and reactivity

Chemical Stability :Stable under normal conditions

Possibility of hazardous reactions : None known

Incompatible materials: Amines, Bases, Strong oxidizing agents

Hazardous decomposition products: Possible Carbon Oxides

Section 11 Toxicological information

General information:

Skin: Causes Irritation

Eyes: Causes irritation. Risk of serious eye damage

Inhalation: Irritating to mucous membranes

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sodium bisulfite	Acute toxicity – 1540 mg/kg (Rat)
Potassium hydroxide	Acute Toxicity – 333 mg/kg
Potassium carbonate	Acute Toxicity – 1870 mg/kg (Rat)
Hydroquinone	Acute Toxicity – 320mg/kg (Rat) Chronic – A3 (ACGIH)

Section 12 Ecological information

Ecotoxicity effects: Harmful to aquatic organisms. May cause long-term effects.

Section 13 Disposal considerations

Should not be released into the environment. Dispose of according to local regulations
Do not reuse empty containers. They should be taken to an approved waste handling site for recycling or disposal.

Section 14 Transportation information

DOT : Not regulated

IATA : Not regulated

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 TLV – 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.

This document was created 6-6-2014. No revisions