

**Material Safety Data Sheet**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY *(as Used on Label and List)*  
2200 DEVELOPER CONCENTRATE  
539-04, 534-40  
AQUEOUS MIXTURE

**NFPA RATING:**  
**HEALTH: 2**  
**FLAMMABILITY: 0**  
**REACTIVITY: 0**

**Section I**

Manufacturer's name SOLUTEK CORPORATION	Emergency Telephone Number (617)445-5335
Address <i>(Number, Street, City, State and ZIP Code)</i>	Telephone Number for Information (617)435-5335
94 SHIRLEY STREET	Date Prepared 6/21/00
BOSTON, MA 02119	Signature of Preparer <i>(optional)</i> DIRECTOR OF RESEARCH

**Section II—Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
POTASSIUM HYDROXIDE 1310-58-3	2 MG/M <sup>3</sup>	2 MG/M <sup>3</sup>	N/A	<10
HYDROQUINONE 123-31-9	2 MG/M <sup>3</sup>	2 MG/M <sup>3</sup>	N/A	<10

**Section III—Physical/Chemical Characteristics**

Boiling Point OVE 100° C	Specific Gravity (H <sub>2</sub> O = 1) 1.27
Vapor Pressure (mm Hg)	Melting Point
Vapor Density (AIR = 1)	Evaporation Rate (Butyl Acetate = 1)
Solubility in Water 100%	
Appearance and Odor COLORLESS, ODORLESS CLEAR LIQUID	

**Section IV—Fire and Explosion Hazard Data**

Flash Point (Method Used) NONE	Flammable Limits	LEL NONE	UEL NONE
Extinguishing Media USE EXTINGUISHING MEDIA APPLICABLE TO THE PRIMARY CAUSE OF THE FIRE.			
Special Fire Fighting Procedures EVACUATE PERSONNEL TO A SAFE AREA REMOVED AND UPWIND OF THE FIRE. FIRE OR EXCESSIVE HEAT MIGHT CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS			
Unusual Fire and Explosion Hazards THIS PRODUCT IS NON-COMBUSTIBLE			

(Reproduce locally)

OSHA 174 Sept. 1985

**Section V—Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable X		

Incompatibility (*Materials to Avoid*) STRONG ACIDS

Hazardous Decomposition or Byproducts SULFUR DIOXIDE

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur X		

**Section VI—Health Hazard Data**

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
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Health Hazards (*Acute and Chronic*) CAUSES EYE AND SKIN IRRITATION INHALATION OF MIST OR DRIED RESIDUE CAN IRRITATE THE RESPIRATORY TRACT. INGESTION CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, HEADACHE AND OR WEAKNESS. HYDROQUINONE, IN HIGH CONCENTRATIONS, CAN CAUSE SKIN DISEASE AND DISCOLORATION AND CORNEAL OPACITY OF THE EYES. HOWEVER, NONE OF THESE LATTER SYSTEMIC EFFECTS HAS BEEN ASSOCIATED WITH THE USE OF THE PRODUCT.

Carcinogenicity	NTP? NONE	IARC Monographs? NONE	OSHA Regulated? NONE
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Signs and Symptoms of Exposure IRRITATION OF EYES, SKIN, RESPIRATORY TRACT OR MUCOUS MEMBRANE, DEMATITUS, COUGHING, NAUSEA, DIZZINESS, HEADACHE

Medical Conditions  
Generally Aggravated by Exposure

Emergency and First Aid Procedures IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GIVE OXYGEN IF BREATHING IS DIFFICULT, CALL A PHYSICIAN. SKIN: FLUSH SKIN WITH COPIOUS AMOUNT OF WATER. EYES: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONCIOUS PERSON. CALL A PHYSICIAN. VOMITING SHOULD NORMALLY BE INITIATED ONLY ON THEIR ADVICE AND BY THE MEANS THEY SPECIFY.

**Section VII—Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled CONTAIN THE SPILL. NEUTRALIZE WITH SODIUM BICARBONATE. IF LOCAL EFFLUENT LAWS PERMIT, FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER.

Waste Disposal Method IF PERMITTED, FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER. PRETREATMENT MIGHT BE REQUIRED. OR DISPOSE OF IN AN APPROVED AND PERMITTED BIOLOGICAL TREATMENT SYSTEM OR AN APPROVED AND PERMITTED DEEPWELL OR LANDFILL.

Precautions to Be Taken in Handling and Storing KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT STORE OR CONSUME FOOD, DRINKS OR TOBACCO IN AREAS WHERE THEY MIGHT BE CONTAMINATED BY THIS PRODUCT. AVOID STORAGE OR CONTACT WITH STRONG ACIDS.

Other Precautions

**Section VII—Control Measures**

Respiratory Protection (*Specify Type*)

Ventilation	Local Exhaust 10 ROOM VOLUME PER HOUR	Special
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Mechanical ( <i>General</i> )	Other
Protective Gloves RUBBER OR PLASTIC GLOVES	Eye Protection CHEMICAL SPLASH GOGGLES
Other Protective Clothing or Equipment	
Work/Hygienic Practices	