

Solutek

SAFETY DATA SHEET

Section 1: Product and Company Identity

Name: **Solumat Fixer (Part B concentrate)**

Product Number: **217-20**

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

DANGER CORROSIVE

Emergency Overview – Corrosive

Eyes – Causes burns

Skin – Causes burns

Ingestion - May be harmful if swallowed. Ingestion causes burns to upper digestive system and respiratory tract.

Chronic effects : Exposure can cause tooth erosion and bronchial irritation with cough and frequent occurrences of pneumonia.

HMIS: Health 3, Flammability 0, Physical Hazard 0

Section 3 – Composition/information on ingredients

<u>Component</u>	<u>CAS #</u>	<u>%</u>
Water	7732-18-5	60-70
Aluminum sulfate	10043-01-3	15-18
Sulfuric acid	7664-93-9	12-15

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 eye irritation persists, get medical advice/attention.

Skin contact. Flush skin with copious amount of water. Wash immediately with soap and water. Get medical attention

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 appropriate to local circumstances and surrounding environment.

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 – 0

Stability - 1

Section 6 : Accidental release measures

Contain spill if safe to do so. Keep personnel in safe area. Use personal protective equipment. Ensure adequate ventilation. Avoid breathing vapor and contact with skin, eyes and clothing. Dike area if possible and absorb with inert absorbent material. Dispose of as determined by local and state regulations

Section 7 : Handling and storage

Precautions for safe handling:

Use with adequate ventilation. Wear personal protective equipment. Do not breathe vapors. 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 . Do not store above 23 °C

Section 8 Exposure controls/personal protection

Exposure limits

Chemical Name

Sulfuric Acid

OSHA PEL

1mg/m³ TWA

ACGIH (TLV)

3 mg/m³ 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 : > 94 °C

Color : Clear

Odor : None

Specific gravity : (water=1) 1.24

pH : 0

Section 10 – Stability and reactivity

Chemical Stability :Stable under normal conditions

Possibility of hazardous reactions : None known

Incompatible materials: Reactive with oxidizing and reducing agents. Acids

Hazardous decomposition products: Possible Sulfur oxides.

Section 11 Toxicological information

General information:

Skin: Corrosive - causes Burns

Eyes: Corrosive - causes burns and may cause severe damage including blindness.

Inhalation: Irritating to mucous membranes and lungs.

Ingestion: Can burn mouth, throat and stomach.

Sulfuric Acid Acute toxicity – 2140mg/kg (Rat) LD50 Dermal >NA

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 :

Ground shipments: Shipped under **limited quantity** regulation.

Air Shipments: UN 1760, Corrosive Liquid n.o.s.,8, PG III, ERG code 8L

Section 15 Regulatory information

Not subject to the reporting requirements of Section 313 or Title III of SARA of 1985 and CFR part 372,

CERCLA : Sulfuric Acid – 1000 lb.

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