

Solutek

SAFETY DATA SHEET

Section 1: Product and Company Identity

Name: **Solumat Fixer (Part A Concentrate)**

Product Number: **217-20**

Product Use: Photographic Fixer

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 – Acidic 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

HMIS: Health 1, Flammability 0, Physical 0,

Section 3 – Composition/information on ingredients

<u>Component</u>	<u>CAS #</u>	<u>%</u>
Water	7732-18-5	35-55
Ammonium thiosulfate	7783-18-8	10-15
Acetic acid	64-19-7	7-9
Sodium sulfite	7757-83-7	4-6
5 Mole borax	12179-04-3	3-4
Sodium hydroxide	1310-73-2	1-3

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. See a physician if symptoms persist..

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: - Firefighting 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, ammonia gas)

NFPA Health Hazard – 2

Flammability – 0

Stability – 0

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)
Acetic acid	25 mg/m ³	10 ppm 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 : Colorless

Odor : Odorless

Specific gravity : (water=1) 1.35

pH : 5.2

Section 10 – Stability and reactivity

Chemical Stability :Stable under normal conditions

Possibility of hazardous reactions : None known

Incompatible materials: Strong acids.

Hazardous decomposition products: Ammonia, Sulfur dioxide.

Section 11 Toxicological information

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Skin: Irritant

Eyes: May cause irritation

Inhalation: May cause irritation of respiratory tract.

Ingestion : May be harmful if swallowed.

Acetic acid Acute toxicity – 3310mg/kg (Rat) LD50 Dermal >1060mg/kg(rat)

Sodium sulfite Acute toxicity – 820mg/kg (Rat)

Section 12 Ecological information

This material is a moderately acidic 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

SARA reportable quantity (RQ) Ammonium Thiosulfate 5000lb, Acetic acid 500 lb.

SARA Section 302,304,313 Hazardous components – Ammonium Thiosulfate TV -1%

Section 16 Other information

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