

# MSDS

H.R. Simon and Company, Inc. (800) 638-9460  
3515 Marmenco Court  
Baltimore, Maryland 21230  
for chemical **Emergency: (800) 424-9300**

## Section 1 Identification:

**Chemical Name:** Automatic Fixer Part A  
**MSDS Number:** S50-161

**Chemical Family:** Aqueous Solution  
**Date:** 1/03

## Section 2 Composition (Ingredients required)

Name	%	CAS#	ACGIH(TLV)	OSHA(PEL)
Ammonium Thiosulfate	60-72	7783-18-8	not established	not established
Sodium Sulfite	-----	7757-83-7	not established	not established
Acetic Acid	1-5	64-19-7	25mg/m <sup>3</sup> 1	25mg/m <sup>3</sup>

## Section 3 Hazards Identification:

**Warning! Contains:** Acetic Acid (64-19-7)  
May irritate eyes or skin. Inhalation may irritate respiratory tract

## Section 4 First Aid Measures:

**Eyes:** Immediately flush eyes with water for fifteen minutes. Seek medical help.  
**Skin:** Remove contaminated clothing. Flush skin for fifteen minutes. If symptoms persist, seek medical help.  
**Ingestion:** Conscious subject: immediately give large amounts of water and induce vomiting. Unconscious person: call for medical help immediately. Do not give anything by mouth to an unconscious person  
**Inhalation:** Remove subject to fresh air. If symptoms persist, seek medical help.

## Section 5 Fire Fighting Measures:

**Flash Point:** none  
**Extinguishing Media:** Dry chemical, CO<sub>2</sub>, Water spray  
**Fire Fighting Procedures:** Full turnout clothing and SCBA(Self-Contained Breathing Apparatus)  
**Unusual Fire and Explosion Hazards:** After dry down at temperatures above 150 degrees C (350 degrees F), may product gaseous ammonia and oxides of sulfur.

## Section 6 Accidental Release Measures:

Small spills may be mopped up. Soak spill with saw dust, sand, oil dry, or any other absorbent material. Dispose of recovered material in accordance with all federal, state and local regulations.

## Section 7 Handling and Storage:

No special handling and storage required.

## Section 8 Exposure Controls:

NOISH approved respirator for mists. No special ventilation is necessary, except in small enclosed areas where a local exhaust fan should be used. Use latex or neoprene gloves, safety glasses with side-shields or chemical goggles. Wear a chemical resistant apron.

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## Section 9 Physical Chemical Properties:

## Automatic Fixer Part A

**Boiling Point:** >212<sup>0</sup>F

**Appearance:** Pale Yellow

**Specific Gravity:** 1.33 @ 15.5<sup>0</sup>C

**Solubility in Water:** Complete

**Odor:** Ammonia Odor

**pH Level:** 4.9 @ 25<sup>0</sup>C

## Section 10 Stability and Reactivity:

**Chemical stability:** stable. **Incompatibility:** Strong alkaline materials.

**Decomposition Products:** Ammonia

**Hazardous Polymerization will not occur**

## Section 11 Toxicology Information:

May irritate eyes, skin and respiratory tract. May cause skin rash. May cause allergic reactions in some people. Inhalation may cause adverse reactions in susceptible individuals, especially asthmatics.

## Section 12 Ecological Information:

Small quantities diluted with water followed by a secondary waste treatment system should not cause adverse environmental effects.

## Section 13 Disposal Considerations:

Dispose of material in accordance with federal, state and local regulations.

## Section 14 Transportation Information:

For transportation information for this product, please call H.R. Simon and Co., Inc. (800) 638-9460.

## Section 15 Regulatory Information:

Materials known to state of California to cause cancer: None

Materials known to state of California to cause adverse reproductive effects: None

Carcinogenicity Classification (components present at 0.1% or more):

International Agency for Research of Cancer (IARC): None

American Conference of Governmental Industrial

Hygienists (ACGIH): None

National Toxicology Program (NTP): None

Occupational Safety and Health Administration (OSHA): None

Chemicals subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments Reauthorization Act (SARA) of 1986 and 40 CFR Part 372: None

## Section 16 Other Data:

### NFPA HAZARD CODES (0=LEAST; 4=MOST)

HEALTH=1

FLAMMABILITY=0

REACTIVITY=0

SPECIFIC HAZARD=0

Note: This MSDS relates only to the material herein, and does not relate in combination with any other material or process. This MSDS is based on information provided by us and is believed to be accurate, although no guarantee or warranty is provided or implied by the company in this respect. Since the use of this product in the exclusive control of the user, it is the user's responsibility to determine. Such conditions must comply with all government regulations