

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: HS Manual Fixer **Chemical Family:** Aqueous Solution
MSDS Number: S50-128 S50-129 **Date:** 01/06
S50-130 31701
52596

Section 2 Composition (Ingredients required):

	CAS Number	ACGIH (TLV)	OSHA (PEL)
Acetic Acid	64-19-7	25mg/m ³	25mg/m ³
Ammonium Thiosulfate	7783-18-8	-----	-----
Sodium Bisulfite	7681-57-4	5mg/m ³	-----

Section 3 Hazards Identification:

Warning! Contains Acetic Acid (64-19-7)
Sodium Bisulfite (7681-57-4)
Causes burns to eyes and skin.
Vapor may be irritating to eyes.

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. Do not give anything by mouth to an unconscious person. Get immediate medical attention.
Inhalation: Remove subject to fresh air. If symptoms persist, seek medical help.

Section 5 Fire Fighting Measures:

Flash Point: None
Extinguishing Media: Use media for surrounding material
Fire Fighting Procedures: No special procedures
Unusual Fire and Explosion Hazards: None

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 procedures for handling and storage.

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 neoprene gloves, safety glasses with side-shields or chemical goggles. Wear a chemical resistant apron

Section 9 Physical Chemical Properties:

Boiling Point: >212⁰F **Solubility in Water:** Complete
Appearance: Clear Liquid **Odor:** Slight ammonia odor
Specific Gravity: 1.25 @15.5 ⁰C **ph Level:** 4.8 @25⁰C

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Section 10 Stability and Reactivity:

Chemical Stability: Stable

Incompatibility: Strong alkaline materials **Decomposition Products:** Free Ammonia

Hazardous Polymerization: Will not occur

Section 11 Toxicology Information:

Irritation to eyes, skin and respiratory tract. Ingestion and inhalation may cause shortness of breath, wheezing or coughing.

May cause allergic reactions in some people. Inhalation may cause adverse reactions in susceptible individuals, especially asthmatics

Section 12 Ecological Information:

Product diluted with amounts of water is not expected to have any adverse environmental effects.

Section 13 Disposal Considerations:

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

Section 14 Transportation Information:

For transportation regarding this product, contact H.R. Simon & Company, 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 CFI Part 372: None

Section 16 Other Data:

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

HEALTH=0

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 the conditions of safe use. Such conditions must comply with all government regulations