

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 B
MSDS Number: S50-163

Chemical Family: Aqueous Solution
Date: 01/03

Section 2 Composition (Ingredients required)

Name	%	CAS#	ACGIH(TLV)	OSHA(PEL)
Aluminum Sulfate	-----	17927-65-0	2mg/m ³	not established

Section 3 Hazards Identification:

Caution! Contains: Aluminum Sulfate (10043-01-3)
May irritate eyes, skin and respiratory.
Do not ingest. May irritate gastrointestinal tract and cause burns to the digestive 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: Use media for surrounding material
Fire Fighting Procedures: Full turnout clothing and SCBA(Self-Contained Breathing Apparatus)
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 storage or handling needed.

Section 8 Exposure Controls:

NOISH approved respiratory 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.

Section 9 Physical Chemical Properties:

Boiling Point: >212°F
Appearance: Colorless
Specific Gravity: 1.32 @ 15.0°C

Solubility in Water: Complete
Odor: Slight Indistinguishable Odor
pH Level: 2.1-2.2 @ 25°C

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Section 10 Stability and Reactivity:

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

Decomposition Products: When evaporated to dryness, residue should not be exposed to temperatures above 760°C (1420°F). At these temperatures sulfur oxide gases are released. These gases are toxic and release a corrosive residue. **Hazardous Polymerization will not occur**

Section 11 Toxicology Information:

Contact with solution may cause irritation to eyes, skin and respiratory tract. Ingestion will irritate gastrointestinal tract and may cause burns in the digestive tract. 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. 1-800-638-9460.

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