

Material Safety Data Sheet

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Section I - Chemical Product And Company Identification

Product Name: HB-AL50

CAS Number: N/A

HBCC MSDS No. CW02536



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Section II - Composition/Information On Ingredients

Chemical Name	CAS Number	%	Exposure Limits (TWAs) in Air		
			ACGIH TLV	OSHA PEL	STEL
Aluminum Sulfate	10043-01-3	50	N/A	N/A	N/A

Section III - Hazard Identification

Summary of Acute Health Hazards

Ingestion: Irritating to the gastrointestinal system and may cause nausea, vomiting & diarrhea.

Inhalation: Airborne concentrations of mist or spray are irritating to the upper respiratory tract and lungs. Acute overexposure can cause serious nervous system depression.

Skin: Irritating and can cause reddening, defatting and dermatitis of the skin.

Eyes: Very irritating to the eyes and may result in reddening, tearing and blurred vision.

Signs and Symptoms of Exposure: N/A

Effects of Overexposure: See above

Medical Conditions Generally Aggravated by Exposure: N/A

Section IV - First Aid Measures

Ingestion: If swallowed, rinse mouth and immediately drink several glasses of water. Call a physician. Induce vomiting only under the advice of a physician. Do not give anything by mouth to an unconscious person.

Inhalation: Immediately move the victim to fresh air. Give artificial respiration, if breathing has stopped. Get immediate medical aid.

Skin: Immediately remove contaminated clothing. Flush area with large amounts of

water for at least 15 minutes. Also wash the exposed area with a nonabrasive soap and water. Launder clothing before re-use. Call a physician if irritation develops or persists. **Eyes:** Immediately flush the eyes with large amounts of water for at least 15 minutes, alternately lifting the upper and lower eyelids. Immediately call a physician.

Section V - Fire Fighting Measures

Flash Point: N/A

Autoignition Temperature: N/A

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

Unusual Fire and Explosion Hazards: Sealed containers may develop explosive pressures under fire conditions. Use water to cool.

Extinguishing Media: Noncombustible: use standard fire fighting media on surrounding materials including water spray, dry chemical, foam, and carbon dioxide.

Special Firefighting Procedures: When this product is involved in a fire, firefighters should wear protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus to protect them from vapors and the products of combustion.

Section VI - Accidental Release Measures

Wear chemically protective clothing. Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal. Keep product out of sewers, watersheds, and water systems.

Section VII - Handling and Storage

Containers should be stored in a cool (< 120°F), dry, well-ventilated area. Exercise due caution to prevent damage to or leakage from the container. Avoid contact with strong oxidizing agents. Keep containers closed when not in use. Use good practices in the storage, handling, and distribution of this product.

Section VIII - Exposure Controls/Personal Protection

Respiratory Protection: Avoid breathing aerosols or mists, use a NIOSH/MSHA approved respirator, with a full-facepiece respirator with acid gas cartridges when concentrations are unknown.

Ventilation: Provide adequate mechanical or local exhaust ventilation to minimize airborne exposures, particularly in areas where the air contacts open process equipment.

Protective Clothing: The wearing of rubber or neoprene gloves is recommended.

Eye Protection: Wear chemical splash goggles and/or full face-shield where there is potential for eye contact. An eyewash fountain should be located in areas where the product is used.

Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: Wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities. Do NOT place food, coffee or other drinks in the area where dusting or splashing of solutions is possible.

Section IX - Physical and Chemical Properties

Physical State: Liquid
Melting Point/Range: < 32°F
Appearance/Color/Odor: Clear, odorless
Solubility in Water: Complete
Specific Gravity (Water=1): 1.332
Vapor Density (Air=1): N/A
How to detect this compound : N/A

pH: N/A
Boiling Point/Range: > 212°F
Vapor Pressure (mmHg): N/A
Molecular Weight: N/A
% Volatiles: N/A

Section X - Stability and Reactivity

Stability: Stable
Conditions to Avoid: High temperatures and incompatible materials.
Materials to Avoid: Avoid contact with strong oxidizers such as permanganates, chromates & peroxides.
Hazardous Decomposition Products: High temperatures and fires will result in the release of toxic oxides of sulfur and aluminum oxide.

Hazardous Polymerization: Will not occur

Section XI - Toxicological Information

N/A

Section XII - Ecological Information

N/A

Section XIII - Disposal Considerations

Material that cannot be recovered and reused should be disposed of in accordance with all Federal, State, and Local regulations.

Section XIV - Transport Information

DOT Proper Shipping Name: ENVIRONMENTAL HAZARDOUS SUBSTANCES, LIQUID N.O.S.
DOT Hazard Class/ I.D. No.: 9, UN3082, PG III

Section XV - Regulatory Information

CERCLA Reportable Quantity: 5,000 Lbs.
NFPA Rating: Health - 1; Fire - 0; Reactivity - 0
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme
Carcinogenicity Lists: No
NTP: No
IARC Monograph: No
OSHA Regulated: No

Section XVI - Other Information

Synonyms/Common Names: N/A

Description: Coagulant for liquid-solid separation

Chemical Family/Type: Inorganic salt

Section changed since last revision: First Issue

IMPORTANT! Read this MSDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This MSDS has been prepared according to the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The MSDS information is based on sources believed to be reliable. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, [Hill Brothers Chemical Company](#) makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Also, additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks prior to use, and then to exercise appropriate precautions for protection of employees and others.