

LTS Research Laboratories, Inc. Safety Data Sheet Aluminum hydroxide

1. Product and Company Identification Trade Name: Aluminum hydroxide Chemical Formula: Al(OH)₃ Recommended Use: Scientific research and development Manufacturer/Supplier: LTS Research Laboratories, Inc. Street: 37 Ramland Road City: Orangeburg New York State: 10962 Zip Code: Country: USA Tel #: 855-587-2436 / 855-lts-chem 24-Hour Emergency Contact: 800-424-9300 (US & Canada) +1-703-527-3887 (International) 2. Hazards Identification Signal Word: Warning stories, inc Hazard Statements: H315: Causes skin irritation H319: Causes serious eye irritation H335: May cause respiratory irritation **Precautionary Statements:** P261 Avoid breathing dust/fume/vapor P280: Wear protective gloves/protective clothing/eye protection/face protection P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do continue rinsing P405: Store locked up P501: Dispose of contents/container in accordance with local/regional/national/international regulations HMIS Health Ratings (0-4): Health: 1 0 Flammability: Physical: 1 3. Composition Chemical Family: Nonmetal Aluminum trihydroxide Additional Names: Aluminum hydroxide (Al(OH)₃):

Aluminum hydroxide (Al(OH)₃): Percentage: CAS #: EC #:

100 wt% 21645-51-2 244-492-7

4. First Aid Procedures		
General Treatment:	Seek medical attention if symptoms persist.	
Special Treatment:	None	
Important Symptoms:	None	
Inhalation:	Remove victim to fresh air. Supply oxygen if breathing is difficult. Keep patient warm. Seek immediate medical attention.	
Ingestion:	Seek immediate medical attention.	
Skin:	Immediately wash affected area with mild soap and water. Remove any	
	contaminated clothing. Seek immediate medical attention.	
Eyes:	Flush eyes with water, blinking often for several minutes. Remove	
	contact lenses if present and easy to do. Continue rinsing. Seek	
	immediate medical attention.	
	5. Firefighting Measures	
	Non-flammable	
Extinguishing Media:	No special restrictions – use suitable extinguishing agent for	
	surrounding material and type of fire.	
Spec. Fire Fighting Procedure:	Use full-face, self-contained breathing apparatus with full protective	
	clothing to prevent contact with skin and eyes. See section 10 for	
	decomposition products.	
	6. Accidental Release Measures	
If Material Is Released/Spilled:	Wear appropriate respiratory and protective equipment specified in special protection information. Keep unprotected persons away. Isolate	
	special protection information. Keep unprotected persons away, isolate spill area and provide ventilation. Vacuum up spill using a high	
	efficiency particulate absolute (HEPA) air filter and place in a closed	
	container for disposal. Take care not to raise dust.	
Environmental Precautions:	Isolate runoff to prevent environmental pollution.	
	7. Handling and Storage	
Handling Conditions:	Wash thoroughly after handling.	
Storage Conditions:	Store in a cool dry place in a tightly sealed container. Do not store	
	together with acids. Store away from oxidizing agents. Store apart from	
	materials and conditions listed in section 10.	
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before	
	eating and smoking. Do not blow dust off clothing or skin with	
X7	compressed air.	
Ventilation:	Provide sufficient ventilation to maintain concentration at or below threshold limit.	
	Exposure Controls and Personal Protection	
Permissible Exposure Limits:	5 mg/m ³ as Al, respirable fraction, long-term value	
Threshold Limit Value:	1 mg/m ³ as Al, respirable fraction, long-term value	
Special Equipment:	Properly operating chemical fume hood designed for hazardous	
	chemicals and having an average face velocity of at least 100 feet per	
	minute.	
Respiratory Protection:	Dust Respirator	
Protective Gloves:	Nitrile rubber gloves with minimum thickness of 0.11 mm	
Eye Protection:	Safety glasses or goggles	
Body Protection:	Protective work clothing. Wear close-toed shoes and long	
	sleeves/pants.	

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13. Disposal	Considerations
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Hazardous:	Not hazardous for transportation.	
Hazard Class:	N/A	
Packing Group:	N/A	
UN Number:	N/A	
Proper Shipping Name:	N/A	
	15. Regulatory Information	
Sec 302 Extremely Hazardous:	No	
Sec 304 Reportable Quantities:	N/A	
Sec 313 Toxic Chemicals:	No	

Dispose of in accordance with local, state, national, and international regulations.

16. Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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