



UNIVAR

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For Emergency Assistance involving chemicals call - CHEMTREC (800) 424-9300

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The Version Date and Number for this MSDS is : 09/29/2008 - #004

PRODUCT NAME: AMMONIUM ALUM

MSDS NUMBER: P1042VS

DATE ISSUED: 03/01/2007

SUPERSEDES: 03/01/2000

ISSUED BY: 008466

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard
29 CFR 1910.1200, Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and
Health
Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY

AMMONIUM ALUM

Note: Blank spaces are not
permitted. If any item is not
applicable or no information is
available, the space must be
marked to indicate that.
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marked to indicate that.

Section I

Manufacturer's Name
HOLLAND COMPANY, INC.
153 HOWLAND AVENUE Address
ADAMS, MASSACHUSETTS 01220

Emergency Telephone Number
413-743-1292
Telephone Number for Information
413-743-1292

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific
Chemical Identity: Common Name(s)

	Other Limits		Recommended	% (Optional)
	OSHA PEL	ACGIH TLV		
AI NHASO ₄) ₂ 12H ₂ O		2mg(AL)/M ³		
AMMONIUM ALUMINUM SULFATE				
CRYSTAL ALUM				

Hazardous substance applies when discharged into navigable water, category
(P) harmful amount 5000 pounds

CAS No. 7784-26-1 DOT: Non-hazardous
HMIS designation 1H,OF,OR

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O-1)	1.64
Vapor Pressure (mm)	N/A	Melting Point	200 deg F
Vapor Density (AIR -1)	N/A	Evaporation Rate (Butyl Acetate - 1)	N/A

Solubility in Water: Moderate

Appearance and Odor Colorless, odorless crystals or white powder

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
N/A	Not flammable	N/A	N/A

Extinguishing Media
Not flammable

Special Fire Fighting Procedures
N/A

Unusual Fire and Explosion Hazards

Decomposes to Ammonia, Sulfur Dioxide, Nitrogen and Sulfur Trioxide at high
heat, flammable limits per ammonia gas in air are from 16-25 percent.

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid:
	Stable X	

Incompatibility (Materials to Avoid)
Alkalies will release Ammonia gas

Hazardous Decomposition or Byproducts

Ammonia gas (NI-13) Sulfur Dioxide (SO₂) possible Sulfur Trioxide (SO₃)

Hazardous	May Occur	Conditions to Avoid
Polymerization	Will Not Occur X	N/A

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Irritation	Irritation	May be harmful

Health Hazards (Acute and Chronic)

Irritation of skin and mucous membrane

Carcinogenicity:	NTP?	IARC Monographs?	OSHA regulated?
N/A	N/A		

Signs and Symptoms of Exposure:

Irritation possible from inhalation, eye contact or prolonged skin contact.

Medical Conditions Generally Aggravated by Exposure: N/A

Emergency and First Aid Procedures:

Wash skin, flush eyes with plenty of water for at least 15 minutes and get medical attention.

For ingestion get medical attention.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Shovel up and remove, flush residue with water.

Waste Disposal Method

Dissolve in water and flush to waste as permitted by applicable regulations.

Precautions to Be Taken in Handling and Storing

Store in cool dry place.

Other Precautions

Section VIII - Control Measures

Respiratory Protection (Specify Type):

NIOSH approved respirator where required.

Ventilation	Local Exhaust:	Special:
	As necessary to eliminate dust	N/A
	Mechanical (General):	Other: Cone in air for mist
	N/A	N/A

Protective Gloves

Rubber or vinyl

Eye Protection

Safety glasses-chemical safety goggles.

Other Protective Clothing or Equipment:

Clothing sufficient to protect skin from dust.

Work/Hygienic Practices:

For Additional Information:

Contact: MSDS Coordinator - Univar USA

During business hours, Pacific Time - (425) 889-3400

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END OF MSDS