



Humco Holding Group, Inc.
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 cs@humco.com
 www.humco.com

24-Hour Emergency Number (CHEMTREC)
 USA- 800-424-9300
 International – 703-527-3887

All non-emergency calls should be directed to
 Customer Service at 800-662-3435

NAME: ALUM POWDER, USP

SDS NO. 0049

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Alum Powder

Synonyms: Ammonium Alum, Ammonium aluminum sulfate dodecahydrate

Recommended Use: Food processing

Manufacturer by: Humco Holding Group, Inc.

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2. HAZARD IDENTIFICATION

Pictogram:	
Classification:	Eye irritation: Category 2A Skin Irritation: Category 4
Signal Word:	Warning
Hazard Statements:	Causes skin irritation Causes serious eye irritation May cause respiratory irritation

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
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AMMONIUM ALUM	7784-26-1
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The exact percentage has been withheld as a trade secret

4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	Trouble breathing, respiratory tract irritation	Remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	May cause stomach discomfort	Rinse mouth with water. Never give anything by mouth to an unconscious person. Drink a glass of milk and then force vomiting. Do not use bicarbonate; it's an explosive combination. Get medical attention.
Skin	Causes dermal irritation	If irritation occurs, wash with soap and water. If irritation persists, get medical advice.
Eyes	Causes Irritation	Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical advice.

5. FIRE-FIGHTING MEASURES

Flash Point:	Not determined
Auto Ignition:	Not determined
Extinguishing Media:	Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam.
Products of Combustion:	Upon combustion this product may emit hazardous fumes and gases including ammonia, nitrogen oxides (NOx), Sulfur oxides (SOx).
Fire Fighting Equipment and Procedures:	Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Read entire label before using and follow all label directions.
Environmental Precautions:	Prevent discharge to open waters.
Method of Containment:	Safely pick up and arrange disposal without creating dust.
Method for Clean-Up:	Sweep or scrap up and containerize in approved chemical waste container. Wash spill area with plenty of water.

7. HANDLING AND STORAGE

Handling:	Do not take internally. Do not consume food, drink or smoke while handling this product. Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Storage:	Keep container tightly closed in a dry and well-ventilated place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	Normal room ventilation is usually adequate under normal use.
Personal Protective Equipment (PPE)	
Eye/Face Protection:	Use approved standard safety glasses with side-shields.
Skin Protection:	Handle with gloves (nitrile rubber). For body protection, wear impervious clothing to avoid any exposure to the body.
Respiratory Protection	To avoid exposure to the respiratory system while handling large amount of product, use approved (government/NIOSH) respirator.
General Hygiene Considerations:	Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White crystals or powder	Upper/Lower Flammability:	Not determined
Odor:	Odorless	Vapor Pressure	Not determined
Odor Threshold:	Not determined	Vapor Density:	Not determined
pH:	2.6 at 100 g/L at 25 °C	Relative Density:	1.64 g/cm ³
Melting point /Freezing Point:	200 °F	Solubility in water:	Moderate
Boiling point/range:	392 °C	Partition coefficient: n-octanol/water:	Not determined
Flash point	Not determined	Auto-ignition temperature	Not determined
Evaporation rate	Not determined	Decomposition Temperature:	100 °C
Flammability:	Not determined	Viscosity	Not determined

10. STABILITY AND RACTIVITY

Reactivity:	Not reactive
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Chemical Stability:	Stable under recommended storage conditions
Possibility of Hazardous reactions:	Not determined.
Conditions to Avoid:	Extreme temperature (high and low), direct sunlight
Incompatible materials:	Strong acids and bases
Hazardous Decomposition Products:	Decomposes to ammonia, sulfur dioxide, nitrogen and sulfur trioxide at high heat. Flammable limits per ammonia gas in air are from 16 – 25%

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not determined.
Skin irritation:	Not determined.
Eye contact damage:	Not determined.
Respiratory damage:	Not determined.
Ingestion overdose:	Not determined.
Delayed, immediate, or chronic effects from short- and long-term exposure	Not determined.
LD50	Not determined.
Symptoms associated with exposure:	Causes serious eye and skin irritation. May cause respiratory irritation.
Carcinogenicity:	
OSHA:	Not listed
NTP:	Not listed
IARC:	Not listed

12. ECOLOGICAL INFORMATION

Acute or chronic aquatic toxicity:	Not determined.
Chemical degradation:	Not determined.
Biodegradation:	Not determined.
Bioaccumulation potential	Not determined.
Adsorption studies or leaching studies:	Not determined.
Other adverse effects	Not determined.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

14. TRANSPORT INFORMATION

DOT Hazard Classification:	Non-Hazardous
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group number:	Not applicable
Environmental hazards:	Not applicable
Special precautions:	Do not freeze, avoid extreme heat and direct sunlight

15. REGULATORY INFORMATION

Not determined

16. OTHER INFORMATION

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