



Humco Holding Group, Inc.  
7400 Alumax Dr  
Texarkana TX 75501 USA  
800-662-3435  
cs@humco.com  
www.humco.com

24-Hour Emergency Number (CHEMTREC)  
USA- 800-424-9300  
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

<b>Pictogram:</b>	
<b>Classification:</b>	Eye irritation: Category 2A Skin Irritation: Category 4
<b>Signal Word:</b>	Warning
<b>Hazard Statements:</b>	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
<b>Inhalation</b>	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.
<b>Ingestion</b>	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.
<b>Skin</b>	Causes dermal irritation	If irritation occurs, wash with soap and water. If irritation persists, get medical advice.
<b>Eyes</b>	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

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

#### 6. ACCIDENTAL RELEASE MEASURES

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

## 7. HANDLING AND STORAGE

<b>Handling:</b>	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.
<b>Storage:</b>	Keep container tightly closed in a dry and well-ventilated place.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

## 10. STABILITY AND RACTIVITY

<b>Reactivity:</b>	Not reactive
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<b>Chemical Stability:</b>	Stable under recommended storage conditions
<b>Possibility of Hazardous reactions:</b>	Not determined.
<b>Conditions to Avoid:</b>	Extreme temperature (high and low), direct sunlight
<b>Incompatible materials:</b>	Strong acids and bases
<b>Hazardous Decomposition Products:</b>	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

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

## 12. ECOLOGICAL INFORMATION

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

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

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

## 15. REGULATORY INFORMATION

Not determined

## 16. OTHER INFORMATION

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