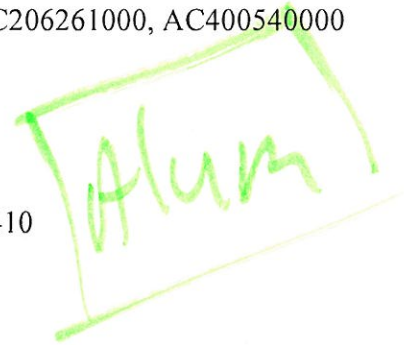


MSDS# 00877

Section 1 - Chemical Product and Company Identification

MSDS Name: Aluminum ammonium sulfate dodecahydrate
Catalog Numbers: AC206260000, AC206260010, AC206260025, AC206260050, AC206261000, AC400540000
Synonyms: Ammonium alum dodecahydrate.

Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
201-796-7100
201-796-7100
800-424-9300



Company Identification:

For information in the US, call:

Emergency Number US:

CHEMTREC Phone Number, US:

Section 2 - Composition, Information on Ingredients

Risk Phrases:

CAS#: 7784-26-1
Chemical Name: Aluminum ammonium sulfate dodecahydrate
%: >97
EINECS#: unlisted
Hazard Symbols:

Text for R-phrases: see Section 16

Hazard Symbols: None listed
Risk Phrases: None listed

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Caution! May cause liver damage. May cause eye, skin, and respiratory tract irritation. Target Organs: Liver.

Potential Health Effects

Eye: Dust may cause mechanical irritation.
Skin: May cause skin irritation. Low hazard for usual industrial handling.
Ingestion: Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause liver damage.
Inhalation: May cause respiratory tract irritation.
Chronic: Prolonged or repeated skin contact may cause irritation.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.
Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to
Physician:

Extinguishing Media: Substance is nonflammable; use agent most appropriate to extinguish surrounding fire.

Autoignition Temperature: Not available.

Flash Point: Not available

Explosion Limits: Lower: Not available

Explosion Limits: Upper: Not available

NFPA Rating: health: 1; flammability: 0; instability: 0;

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions.

Section 7 - Handling and Storage

Handling: Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

Storage: Store in a cool, dry place.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Ammonium alum anhydrous	none listed	2 mg/m3 TWA (as Al) (listed under Aluminum, soluble salts).	none listed
Aluminum ammonium sulfate dodecahydrate	none listed	2 mg/m3 TWA (as Al) (listed under Aluminum, soluble salts).	none listed

OSHA Vacated PELs: Ammonium alum anhydrous: 2 mg/m3 TWA (as Al, listed under Aluminum) (listed under Aluminum, soluble salts) Aluminum ammonium sulfate dodecahydrate: 2 mg/m3 TWA (as Al, listed under Aluminum) (listed under Aluminum, soluble salts)

Engineering Controls:

Good general ventilation should be sufficient to control airborne levels.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to minimize contact with skin.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Solid

Color: white

vapor Density: Not available

Evaporation Rate: Negligible.

Viscosity: Not available

Boiling Point: 120 deg C (248.00°F)

Freezing/Melting Point: 94.4 deg C (201.92°F)

Decomposition Temperature:

Solubility in water: 150 g/l (20 C)

Specific Gravity/Density: 1.6 (water=1)

Molecular Formula: AlNH₄S₂O₈.12H₂O

Molecular Weight: 453.2922

Section 10 - Stability and Reactivity

Chemical Stability: Stable.
Conditions to Avoid: None reported.
Incompatibilities with Other Materials: Not available
Hazardous Decomposition Products: Nitrogen oxides, oxides of sulfur, ammonia and/or derivatives.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#: CAS# 7784-25-0: None listed
CAS# 7784-26-1: WS5640010
LD50/LC50: RTECS: Not available. RTECS: Not available.
Ammonium alum anhydrous - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Carcinogenicity: Aluminum ammonium sulfate dodecahydrate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT

Shipping Name: Not regulated as a hazardous material

Hazard Class:

UN Number:

Packing Group:

Canada TDG

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 7784-25-0 is listed on Canada's DSL List

CAS# 7784-26-1 is listed on Canada's DSL List

Canadian WHMIS Classifications: D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 7784-25-0 is not listed on Canada's Ingredient Disclosure List.

CAS# 7784-26-1 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 7784-25-0 is listed on the TSCA Inventory.

CAS# 7784-26-1 is not on the TSCA Inventory because it is a hydrate. It is considered to be listed if the CAS number for the anhydrous form is on the Inventory (40CFR720.3(u)(2)).

Section 16 - Other Information

MSDS Creation Date: 12/12/1997

Revision #7 Date 7/20/2009

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
