



ISO 9001 Quality System Certified Organization

MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS

Address : H.No.712/3, sainagar, Palghar mumbai 401102

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MATERIAL SAFETY DATA SHEET (MSDS) SDS/MSDS

1. Identification

Product Name **Aluminium ammonium sulphate dodecahydrate extra pure**

CAS No 7784-26-1

Synonyms Ammonium alum

Recommended Use Laboratory chemicals.

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

Signal Word

Warning

Hazard Statements

Causes skin irritation

Fair Lawn, NJ 07410

Skin Corrosion/Irritation Category 2

Serious Eye Damage/Eye Irritation Category 2

Specific target organ toxicity (single exposure) Category 3

Target Organs - Respiratory system.

Causes serious eye irritation

May cause respiratory irritation

Precautionary Statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTER or doctor/physician if you feel unwell

Skin

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash before reuse

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuerinsinglf eye irritation persists: Get medical advice/attention

Storage

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Store in a well-ventilated place. Keep container tightly closed

Store locked up

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None identified

3. Composition/Information on Ingredients

Component CAS No Weight % Aluminum ammonium sulfate dodecahydrate 7784-26-1 >95

Ammonium alum 7784-25-0 0

4. First-aid measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Get medical attention. Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention.

Inhalation Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention.

Ingestion Do NOT induce vomiting. Get medical attention. Most important symptoms and effects

Irritating to eyes. Irritating to skin. Irritating to respiratory system. Notes to Physician Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media Substance is nonflammable; use agent most appropriate to extinguish surrounding fire. Unsuitable Extinguishing Media No information available

Flash Point No information available

Method - No information available

Autoignition Temperature No information available

Explosion Limits

Upper No data available

Lower No data available

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Keep product and empty container away from heat and sources of ignition. Hazardous Combustion Products

Nitrogen oxides (NO_x). Sulfur oxides. Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full

protective gear.

NFPA



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6. Accidental release measures

Personal Precautions Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust

formation. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. Environmental Precautions Avoid release to the environment. Methods for Containment and Clean Up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

7. Handling and storage

Handling Wear personal protective equipment/face protection. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation. Storage. Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Strong oxidizing agents.

8. Exposure controls / personal protection

Exposure Guidelines

Health

2

Flammability

0

Instability

0

Physical hazards N/A Component ACGIH TLV OSHA PEL NIOSH IDLH Mexico OEL (TWA)

Aluminum ammonium

sulfate dodecahydrate

(Vacated) TWA: 2 mg/m³ TWA: 2 mg/m³ Legend

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: NIOSH - National Institute for Occupational Safety and Health

9. Physical and chemical properties

Physical State Solid

Appearance White

Odor Odorless

Odor Threshold No information available

pH 4.6 0.05M aq.sol

Melting Point/Range 93.5 °C / 200.3 °F

Boiling Point/Range 200 °C / 392 °F

Flash Point No information available

Evaporation Rate Not applicable

Flammability (solid,gas) No information available

Flammability or explosive limits

Upper No data available

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Lower No data available
Vapor Pressure No information available
Vapor Density Not applicable
Specific Gravity 1.640
Solubility 150 g/L (20°C)
Partition coefficient; n-octanol/water No data available
Autoignition Temperature No information available
Decomposition Temperature > 280°C
Viscosity Not applicable
Molecular Formula H4 Al N O8 S2 . 12 H2 O
Molecular Weight 453.33

10. Stability and reactivity

Reactive Hazard None known, based on information available
Stability Stable under normal conditions. Conditions to Avoid Incompatible products. Excess heat.
Avoid dust formation.
Incompatible Materials Strong oxidizing agents
Hazardous Decomposition Products Nitrogen oxides (NOx), Sulfur oxides
Hazardous Polymerization Hazardous polymerization does not occur. Hazardous Reactions None under normal processing.

11. Toxicological information

Engineering Measures Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas. Personal Protective Equipment
Eye/face Protection 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 and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection 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. Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.
Acute Toxicity
Product Information No acute toxicity information is available for this product
Component Information
Component LD50 Oral LD50 Dermal LC50 Inhalation Ammonium alum Not listed LD50 > 2000 mg/kg (Rat) Not listed
Toxicologically Synergistic Products
No information available
Delayed and immediate effects as well as chronic effects from short and long-term exposure

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Irritation Irritating to eyes, respiratory system and skin

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as acarcinogen. Component CAS No IARC NTP ACGIH OSHA Mexico Aluminum ammonium sulfate dodecahydrate

7784-26-1 Not listed Not listed Not listed Not listed Not listed Ammonium alum 7784-25-0 Not listed

Not listed Not listed Not listed Not listed Mutagenic Effects No information available

Reproductive Effects No information available. Developmental Effects No information available.

Teratogenicity No information available. STOT - single exposure Respiratory system

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects, both acute and delayed

No information available

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

Do not empty into drains. Persistence and Degradability Soluble in water Persistence is unlikely based on information available. Bioaccumulation/ Accumulation No information available. Mobility Will likely be mobile in the environment due to its water solubility.

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. Regulatory information

United States of America Inventory

Component CAS No TSCA TSCA Inventory notification - Active-Inactive

TSCA - EPA Regulatory Flags Aluminum ammonium sulfate dodecahydrate

7784-26-1 - - - Ammonium alum 7784-25-0 X ACTIVE - Legend:

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)



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X - Listed

'-' - Not Listed

TSCA 12(b) - Notices of Export Not applicable

International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea(KECL).

Component CAS No DSL NDSL EINECS PICCS ENCS ISHL AICS IECSCKECLAluminum ammonium sulfate dodecahydrate

7784-26-1 X - - X X X X X-Ammonium alum 7784-25-0 X - 232-055-3 X X X X XKE-00885KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)

U.S. Federal Regulations

SARA 313

Component CAS No Weight % SARA 313 - ThresholdValues %Ammonium alum 7784-25-0 0 1.0SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act) Not applicable

Clean Air Act Not applicable

OSHA - Occupational Safety and Health Administration

Not applicable

CERCLA Not applicable

California Proposition 65 This product does not contain any Proposition 65 chemicals. U.S. State Right-to-Know

Regulations

Component Massachusetts New Jersey Pennsylvania Illinois Rhode IslandAluminum ammonium sulfate dodecahydrate

- - X - - U.S. Department of Transportation

Reportable Quantity (RQ): N

DOT Marine Pollutant N

DOT Severe Marine Pollutant N

U.S. Department of Homeland

Security

This product does not contain any DHS chemicals. Other International Regulations

Mexico - Grade No information available

Authorisation/Restrictions according to EU REACH

Component REACH (1907/2006) - Annex XIV -

Substances Subject to

Authorization

REACH (1907/2006) - Annex XVII -

Restrictions on Certain Dangerous

Substances

REACH Regulation (EC1907/2006) article 59 - CandidateList of Substances of Very HighConcern (SVHC)

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Aluminum ammonium sulfate
dodecahydrate

- Use restricted. See item 65.

(see link for restriction details)

- Ammonium alum - Use restricted. See item 65.

(see link for restriction details)

- <https://echa.europa.eu/substances-restricted-under-reach>

Safety, health and environmental regulations/legislation specific for the substance or mixture

Component CAS No OECD HPV Persistent Organic

Pollutant

Ozone Depletion

Potential

Restriction of

Hazardous Substances (RoHS) Aluminum ammonium sulfate

dodecahydrate

7784-26-1 Not applicable Not applicable Not applicable Not applicable Ammonium alum 7784-25-0

Not applicable Not applicable Not applicable Not applicable Component CAS No Seveso III Directive
(2012/18/EC) -

Qualifying Quantities

for Major Accident

Notification

Seveso III Directive

(2012/18/EC) -

Qualifying Quantities

for Safety Report

Requirements

Rotterdam

Convention (PIC)

Basel Convention (Hazardous Waste) Aluminum ammonium sulfate

dodecahydrate

7784-26-1 Not applicable Not applicable Not applicable Not applicable Ammonium alum 7784-25-0

Not applicable Not applicable Not applicable Not applicable

16. Other information

Revision Summary This document has been updated to comply with the US OSHA

HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the

Globally Harmonized System of Classification and Labeling of Chemicals (GHS). Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge,
information and belief at the date of its publication. The information given is designed only as a
guidance for safe handling, use, processing, storage, transportation, disposal and release and is not
to be considered a warranty or quality specification



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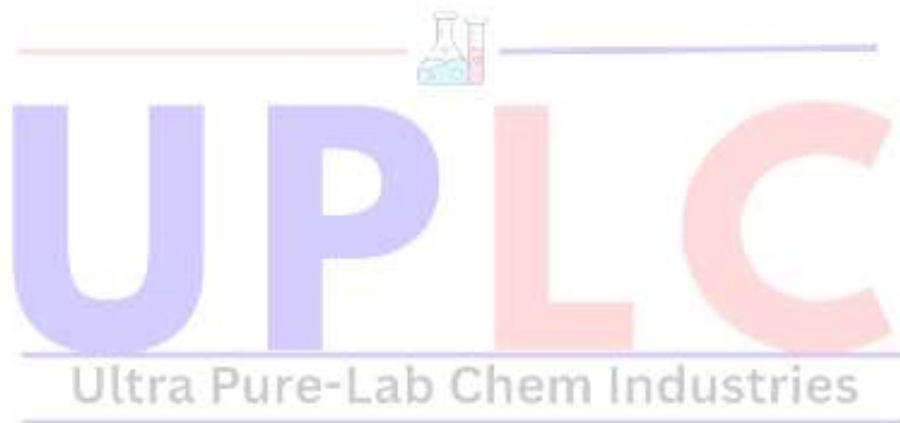
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