SECTION 1: Identification of the substance/preparation and of the company/undertaking

Identification of the Product

Product name	:	Aluminium ammonium sulphate dodecahydrate
EC-No.	:	232-05503
CAS-No.	:	7784-26-1
Formula	:	$NH_4Al(SO_4)_2.12H_2O$

Use of the Product/Preparation

Relevant identified uses

Use of the Product: Laboratory Chemicals, Manufacture of substances

Details of the supplier of the safety data sheet

PHINE KEMIKALS INDIA
Plot No. 1/2/3/90/P3A, G.I.D.C. Industrial Estate, Godhra, Gujarat 389002
INDIA
T +919824063593
info@phinekem.in, www.phinekem.in

Emergency telephone number

Emergency number : + 919023930031 (24 hrs)

SECTION 2: Hazards identification

Classification of the substance or mixture

Serious eye damage/eye irritation, Category 2 H319

Skin corrosion/irritation, Category 2 H315

Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335

Full text of hazard classes and H-statements : see section 16

Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS07
Signal word (CLP) : Warning
Hazard statements (CLP) : H315 - Causes skin irritation.
H319 - Causes serious eye irritation. H335 - May cause respiratory irritation.
Precautionary statements (CLP) : P261 - Avoid breathing vapours, dust, fume, gas.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 3: Composition/information on ingredients

Substances

Name : ALUMINIUM AMMONIUM SULPHATE
CAS-No. : 7784-26-1

Mixtures
Not applicable

SECTION 4: First aid measures

Description of first aid measures
Inhalation: Move to fresh air. If you feel unwell, contact a medical professional or poison control.

Skin Contact: Wash thoroughly with water. Launder contaminated clothing before wearing it again. Seek medical attention if needed.

Eye Contact: Rinse eyes carefully with water for several minutes. Remove contact lenses if possible. Seek medical attention.

Most important symptoms and effects, both acute and delayed
Inhalation: May irritate the respiratory system.
Skin: Irritates the skin.
Eyes: Causes severe eye irritation.

Indication of any immediate medical attention and special treatment needed
No Additional Information Available.

SECTION 5: Firefighting measures

Suitable extinguishing media:
Water spray, Dry chemical, CO_2 or Foam type. Select in adoption to materials stored in the immediate neighbourhood.

Special risks: Non-combustible. The following may develop in event of fire: sulfur oxides.

Special protective equipment for fire-fighting: Do not stay in dangerous zone without self-contained breathing apparatus.

Other information:Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or ground water.

SECTION 6: Accidental release measures

Person-related precautionary measures: Avoid generation of dust: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
Environmental-protection measures: Do not allow to enter sewerage system.
Procedures for cleaning / absorption: Take up dry. Forward for disposal. Clean up affected area.

SECTION 7: Handling and storage

Handling: No further requirements.

Storage: Tightly closed. Dry. Storage Temp: No restrictions

Personal protective equipment:

SECTION 8: Exposure controls/personal protection

Protective clothing should be selected specifically for the working place, depending on the concentration and quantity of the hazardous substances handled. The resistance of protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: required when dust is generated.

Eye protection: required

Hand protection: In full contact & splash contact

Glove material: nitrile rubber. Layer thickness: 0.11 mm

Industrial hygiene:
Immediately change contaminated clothing. Apply skin-protective barrier cream. Wash hands and face after working with substance.

SECTION 9: Physical and chemical properties

Appearance: White powder, solid

Odour: Odourless

Odour Threshold: Not available

pH: 2.6

Melting Point: 93.5 °C

Boiling Point: 280 °C

Flash Point: Not available

Auto-ignition Temperature: Not available

Decomposition Temperature: Not available

Flammability (Solid, Gas): Not available

Explosive Limits: Not available

Vapour Pressure: Not available

Relative Vapour Density (at 20 °C): Not available

Relative Density: Not available

Density: 1.65 g/cm³

Solubility (Water): 14%

Log Pow: Not available

Viscosity (Kinematic): Not available

Viscosity (Dynamic): Not available

Explosive Properties: Not available

Oxidising Properties: Not available

Evaporation Rate (Butyl Acetate = 1): Not available

Freezing point: Not available

SECTION 10: Stability and reactivity

Stability and reactivity

Conditions to be avoided: Heating.

Substances to be avoided: none

Hazardous decomposition products: In the event of fire. See chapter 5

Further information: releases water of crystallization when heated.

SECTION 11: Toxicological information

Information on toxological effects
Acute Toxicity: Not classified.
Skin Corrosion/Irritation: Causes skin irritation (pH 2.6).
Serious Eye Damage/Irritation: Causes serious eye irritation (pH 2.6).
Respiratory or Skin Sensitization: Not classified.
Germ Cell Mutagenicity: Not classified.
Carcinogenicity: Not classified.
Reproductive Toxicity: Not classified.
STOT-Single Exposure: May cause respiratory irritation.
STOT-Repeated Exposure: Not classified.
Aspiration Hazard: Not classified.

SECTION 12: Ecological information

Biologic degradation: Methods for the determination of biodegradability are not applicable to inorganic substances.

Ecotoxic effects: Quantitative data on the ecological effect of this product is not available.

Further ecologic data:

- The following applies to ammonium ions in general: biological effects: fish: toxic as from 0.3 mg/l ; nourishment for fish: toxic as from 0.3 mg/l .
- The following applies to aluminium compounds in general, for acidic aluminium compounds:
    - Biological effects: toxic for water organisms.
        - Fish: toxic as from 0.55 mg/l ; in very soft water toxic as from 0.1 mg/l ; crustaceans: D. magna toxic as from 136 mg/l ; algae: Sc. quadricauda toxic as from 1.5 mg/l (all values referring to dissolved Al).
- In the case of alkaline aluminium compounds, flocculation may cause mechanical damage in aquatic organisms.
- The following applies to sulfate in general: Biological effects: fish: toxic as from 7 g/l ; bacteria: toxic as from 2.5 g/l .

No ecological problems are to be expected when the product is handled and used with due care and attention

SECTION 13: Disposal considerations

Product: Chemicals must be disposed of in compliance with the respective national regulations.
Packaging: Product packaging must be disposed of in compliance with the respective national regulations or must be passed to a packaging return system, if available.

SECTION 14: Transport information

Not subject to transport regulation

SECTION 15: Regulatory information

Labeling according to EC Directives:
Symbol: --
R-phrases: --
S-phrases: --

SECTION 16: Other information

Reason for alteration
Release 2: Feb-2008 Contact information updated

Regional representation:

India: given in Chapter 1 (company identification)

Disclaimer:

This Safety Data Sheet (SDS) information is based on our current knowledge and is intended to describe the product for health, safety, and environmental purposes only. It should not be interpreted as a guarantee of any specific product property.