

SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006
 Generic EU MSDS – No country specific data
 REVISION DATE: 2014-05-07

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Ammonium sulphate
 Article number: 16-0003

1.2 Relevant identified uses of the substance or mixture, and uses advised against

Identified uses: Laboratory chemical

1.3 Details of the supplier of the safety data sheet

Company: Medicago AB
 Danmark Berga 13
 755 98 Uppsala
 Telephone: +46 (0)18 56 11 80
 Facsimile: +46 (0)18 56 11 88
 E-mail address: info@medicago.se

1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Classified as not hazardous

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Labelled as not hazardous

Signal word: -

Hazard statement(s): -

Precautionary statement(s): -

Complementary hazard information

No further information

2.3 Other hazards

No further information

3. Composition/information on ingredients

3.1 Substances

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) no 1272/2008 (CLP)*
Ammonium sulphate	7783-20-2	231-984-1	-	≤ 100 %	Not classified

*See section 2

4. First aid measures

4.1 Description of first aid measures

If swallowed	Rinse mouth immediately with water and then drink plenty of water; get medical attention
If inhaled	If dust inhaled: move to fresh air; get medical attention if symptoms develop If decomposition products inhaled: keep the patient calm; move to fresh air; get medical attention
In case of skin contact	Wash thoroughly with water and soap; get medical attention if symptoms develop
In case of eye contact	Wash eyes with water for at least 15 min; get medical attention if irritation develops
General advice	Show this safety data sheet to the doctor in attendance.

4.2 Most important symptoms and effects, both acute and delayed

After inhalation of decomposition products: risk of pulmonary oedema; symptoms can appear later

4.3 Indication of any immediate medical attention and special treatment needed

Treatment after inhalation of decomposition products: pulmonary oedema prophylaxis

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Use dry chemical powder; for large fire use water spray, fog and alcohol-resistant foam

5.2 Special hazards arising from the substance or mixture

Ammonia, nitrogen oxides, sulphur oxides

5.3 Advice for fire fighters

Wear self-contained breathing apparatus for firefighting, if necessary

5.4 Further information

The product itself does not burn; dispose of fire debris and contaminated extinguishing water in accordance with official regulations

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation; provide appropriate exhaust ventilation where dust is formed; wear lab coat, safety goggles, proper gloves, and boots

6.2 Environmental precautions

Do not discharge product into drains, surface and ground water; retain and dispose of contaminated wash water

6.3 Methods and material for containment and cleaning up

For large amount: sweep/shovel up; for residues: sweep/ shovel up and rinse with water; keep spilled material in a suitable, closed container for disposal

6.4 Reference to other sections

For disposal: See section 13

7. Handling and storage

7.1 Precautions for safe handling

Avoid breathing in dust; minimize contact with skin and eyes; wash hands before and after use

7.2 Conditions for safe storage, including any incompatibilities

Store in a suitable, closed container in a dry, cool place

7.3 Specific end use(s)

No data available

8. Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits; if user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit

Personal protective equipment

Eye/face protection: Wear safety goggles

Skin protection: Wear suitable gloves; gloves must be inspected prior to use

Body Protection: Wear lab coat or other suitable impervious clothes

Respiratory protection: Use suitable dust respirator, if necessary

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	white, crystalline
Odour	odourless
Odour threshold	no data available
pH	5-6 at 132 g/l at 25° C
Melting point/ freezing point	235-280° C
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (Solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	1.769 g/cm ³ at 25° C
Water solubility	132 g/l at 20° C
Partition coefficient: n-octanol/ water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2 Other information

No further information

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Exposure to moisture

10.5 Incompatible materials

Strong oxidizing agents; strong bases

10.6 Hazardous decomposition products

In case of fire: Ammonia, nitrogen oxides, sulphur oxides

11. Toxicological information

11.1 Information on toxicological effects

11.1.1 Substances

Acute toxicity

No data available

Skin corrosion/irritation

Skin: Rabbit – Not irritating

Skin: Human – Mild skin irritation

Serious eye damage/ eye irritation

Eye: Rabbit – Not irritating

Eye: Human – Mild eye irritation

Respiratory or skin sensitization

No sensitization on skin

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity – single exposure

No data available

Specific target organ toxicity – repeated exposure

No data available

Aspiration hazard

No data available

Potential health effects

May cause mild skin irritation

May cause mild eye irritation

12. Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

No data available

13. Disposal considerations

13.1 Waste treatment methods

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

Contaminated packaging: Dispose of as unused product

