
SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: ALUMINIUM SULPHATE.
Datasheet Number: S1385 1.0.1

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

1.3 Details of the supplier of the safety data sheet

Name of Supplier:
Address of Supplier:

Telephone:
Fax:
Responsible Person:
Email:

1.4 Emergency telephone number

0116 2785373

2 Hazards identification

2.1 Classification of the substance or mixture

- Eye Irrit. 2
- Skin Irrit. 2
- STOT SE 3

2.2 Label elements



- Signal Word: Warning
- Symbols: Xi

Hazard phrases

- Causes skin irritation.
 - Causes serious eye irritation.
 - May cause respiratory irritation.
-

2 Hazards identification (....)

Precautionary Phrases

- Wear protective gloves/protective clothing/eye protection/face protection.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF ON SKIN: Gently wash with plenty of soap and water.
- Store in a dry place. Store in a closed container.

Risk Phrases

- Risk of serious damage to eyes(R41)

Safety Phrases

- Avoid contact with eyes (S25)
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- Wear suitable protective clothing (S36)

2.3 Other hazards

3 Composition/information on ingredients

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols
Aluminium sulphate	47 - 57%	10043-01-03	233-135-0	R36; 37; 38	Xi

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
- Seek medical advice if necessary
- IF ON SKIN: Gently wash with plenty of soap and water.
- Seek medical attention if irritation persists
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Seek medical attention if symptoms persists
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting
- Seek medical advice

4.2 Most important symptoms and effects, both acute and delayed

- Causes skin and eye irritation.
- May cause respiratory irritation.

4.3 Indication of immediate medical attention and special treatment needed

- Treat symptomatically.

5 Fire-fighting measures

5.1 Extinguishing media

- Appropriate for surrounding fire.

5.2 Special hazards arising from the substance or mixture

- In case of fire, toxic gases may be formed.

5.3 Advice for firefighters

- Wear chemical protection suit and self-contained breathing apparatus

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Avoid raising dust.
- Ensure adequate ventilation of the working area.
- Wear suitable protective equipment.

6.2 Environmental Precautions

- Do not allow product to enter drains.
- Prevent further spillage if safe.

6.3 Methods and material for containment and cleaning up

- Sweep up.
- Transfer to suitable, labelled containers for disposal.
- Clean spillage area thoroughly with plenty of water.

6.4 Reference to other sections

7 Handling and storage

7.1 Precautions for safe handling

- Avoid contact with eyes and skin.
- Ensure adequate ventilation of the working area.
- Adopt best Manual Handling considerations when handling carrying and dispensing

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated area.
- Keep containers tightly closed.
- Store in correctly labelled containers.

7.3 Specific end use(s)

8 Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

- Engineering measures: Ensure adequate ventilation of the working area.
- Respiratory protection: Wear: Suitable respiratory equipment.
- Hand Protection: Chemical resistant gloves (PVC).
- Eye Protection: Approved safety goggles.
- Protective equipment: Wear chemical protective clothing.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Solid or granules.
- Colour: White
- pH: 1.5 (10%).
- Flammable limits: Non flammable.
- Relative density: 1.76
- Water solubility: Soluble in water.
- Melting point: 110 - 115°C

9.2 Other information

10 Stability and reactivity

10.1 Reactivity

- No hazardous reactions if stored and handled as indicated.

10.2 Chemical stability

- Stable under normal conditions.

10.3 Possibility of hazardous reactions

- Reaction products may include sulphur oxides
- May decompose when heated forming toxic gases

10.4 Conditions to avoid

- Keep away from heat and sources of ignition

10.5 Incompatible materials

- Alkalis
- Aluminium
- Copper.
- Zinc
- Chlorites.
- Sulphites.

10 Stability and reactivity (....)

10.6 Hazardous Decomposition Products

- Sulphurous gases (SO_x)

11 Toxicological information

11.1 Information on toxicological effects

- Acute toxicity: Very low in toxicity.
- Corrosivity: Irritating to eyes and skin.

12 Ecological information

12.1 Toxicity

- May cause acute effects in the aquatic environment

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- Not expected to bioaccumulate.

12.4 Mobility in soil

- Soluble in water.

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

13 Disposal considerations

13.1 Waste treatment methods

- General information: Dispose of in compliance with all local and national regulations.

14 Transport information

14.1 UN Number

14.2 UN Proper Shipping Name

14.3 Transport hazard class(es)

14 Transport information (....)

14.4 Packing group

14.5 Environmental hazards

14.6 Special precautions for user

- Further information: This product is not classified as dangerous for carriage.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Other information

Emergency Action Code

Proper Shipping Name:

EAC:

Sea (IMDG)

Proper Shipping Name:

IMDG UN No.:

IMDG Hazard Class.:

IMDG Pack Group.:

IMDG MFAG:

Air (ICAO/IATA)

Proper Shipping Name:

ICAO Un No.:

ICAO Hazard Class.:

ICAO Packing Group.:

15 Regulatory information

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

15.2 Chemical Safety Assessment

16 Other information

Text of R and S phrase codes used in this safety data sheet:- R36: Irritating to eyes; R37: Irritating to respiratory system; R38: Irritating to skin.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. The information is correct to the best of our knowledge and belief at the date of publication, however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.