

Aluminium sulfate octodécahydraté
SP-T-N-(MIN)
Danger

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

Ref. n° : 107 007
 Trade name : Aluminium sulfate octodécahydraté
 Company identification : JEULIN
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 468, Rue Jacques Monod - CS 21900
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 Use : laboratory use

SECTION 2. Hazards identification

Classification EC 67/548 or EC 1999/45 : Xi; R41

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
Hazard Class and Category Code

• Health hazards : Serious eye damage - Category 1 - Danger

Label elements

• Hazard pictograms



• Signal words : Danger
 • Hazard statements : H318 : Causes serious eye damage.
 • Precautionary statements
 - General : P102 : Keep out of reach of children.
 - Prevention : P280 : Wear protective gloves/protective clothing/eye protection/face protection.
 - Response : P305+P351+P338+P310+P321 : IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor. Specific treatment.

SECTION 3. Composition/information on ingredients

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS nr	EC	EC index	REACH	CERTIFICATE
Aluminium sulfate	: 100 %	7784-31-8	233-135-0	----	----	Xi; R41 Eye Dam 1 (H318)



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SECTION 4. First aid measures

- Inhalation : If breathing is difficult, give oxygen.
If you feel unwell, seek medical advice.
Assure fresh air breathing.
If not breathing, give artificial respiration.
- Skin contact : Wash skin thoroughly with mild soap and water.
Remove contaminated clothing and shoes.
- Eye contact : In case of eye contact, immediately rinse with clean water for 10-15 minutes.
: **Contact ophthalmologist immediately.**
- Ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Seek medical attention immediately.

SECTION 5. Fire-fighting measures

- Extinguishing media
- Suitable : Use extinguishing media appropriate for surrounding fire.
Water. Foam. Carbon dioxide.
Powder.
- Special exposure hazards : Thermal decomposition generates : Sulfur oxide. Oxyde d'aluminium
- Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures : Avoid (reject) fire-fighting water to enter environment.

SECTION 6. Accidental release measures

- Environmental precautions : Prevent entry to sewers and public waters.
- After spillage and/or leakage : Sweep up dry powder and dispose properly.
Flush/dilute residue with water.
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
: **Avoid dust production.**
- For emergency responders : Evacuate and limit access.
: **Wear recommended personal protective equipment.**

SECTION 7. Handling and storage

- Precautions in handling and storage : Local exhaust and general ventilation must be adequate to meet exposure standards.
- Handling : Wear suitable protective clothing.
Avoid raising powdered materials into airborne dust.
Avoid all unnecessary exposure.
Do not breathe dust.
- Storage : Close container tightly after use.
Keep away from heat. (+15°C / +25°C)

SECTION 8. Exposure controls/personal protection

- Personal protection : Avoid all unnecessary exposure.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
- Hand protection : Wear suitable gloves resistant to chemical penetration.
- Skin protection : Wear suitable protective clothing.
- Eye protection : Chemical goggles or safety glasses.
- Others : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Use good housekeeping practices to avoid rendering dust airborne.
Local exhaust is recommended where dust may occur.

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SECTION 8. Exposure controls/personal protection (continued)

SECTION 9. Physical and chemical properties

Chemical name	: Aluminium sulfate octodécahydraté
Physical state	: Powder.
Colour	: White.
Odour	: No data available.
pH value	: Not applicable.
Molecular weight	: 666,42
Melting point [°C]	: 90
Initial boiling point [°C]	: No data available.
Density	: No data available.
Vapour pressure [hPa]	: No data available.
Solubility in	: Water. (20 °C) : 364 g/L
Flash point [°C]	: Not applicable.
Auto-ignition temperature [°C]	: Not applicable.
Explosion limits	
Explosion limits - lower [%]	: Not applicable.
Explosion limits - upper [%]	: Not applicable.
Log P octanol / water at 20°C	: No data available.

SECTION 10. Stability and reactivity

Conditions to avoid	: Heat.
Materials to avoid	: Strong oxidizers. (Peroxydes, chromates, dichromates, chlorates, perchlorates, permanganates, nitrates, acide nitrique concentré, acide sulfurique concentré...).
Hazardous decomposition products	: Sulfur oxide. Oxyde d'aluminium.

SECTION 11. Toxicological information

Acute toxicity	
- Inhalation	: May cause irritation to the respiratory tract and to other mucous membranes. May be harmful if inhaled.
- Dermal	: May produce skin irritation. May be harmful if absorbed through the skin.
- Ocular	: Corrosive to eyes. Risk of serious damages to eyes if the product is not rapidly removed.
- Ingestion	: May be harmful if swallowed.
- Other	: To our knowledge, the toxicological properties have not been extensively researched. Other toxic properties can not be excluded. Observe all precautions for handling chemicals.
Rat oral LD50 [mg/kg]	: 9000
Chronic toxicity	: No data available.
Other	: Other toxic properties can not be excluded. Observe all precautions when handling product.



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SECTION 12. Ecological information

Ecological effects information	: Avoid release to the environment.
ThOD (gO2/g)	: No data available.
BOD 5 (gO2/g)	: No data available.
Bioaccumulative potential	: No data available.
Information on elimination	: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

SECTION 13. Disposal considerations

Disposal	: Dispose of this material and its container at hazardous or special waste collection point. Containers, or internal liners coming from a container, having contained this product are also considered as hazardous wastes. Do not re-use empty container. Dispose in a safe manner in accordance with local/national regulations. : Do not empty into drains.
Waste-disposal procedures	: Refer to the MSDS before handling or disposing.

SECTION 14. Transport information

General information	: Not regulated.
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SECTION 15. Regulatory information

Other	: None.
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SECTION 16. Other information

R Phrase(s)	: R41 : Risk of serious damage to eyes.
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The contents and format of this MSDS are in accordance with Regulation (EC) N°1907/2006.

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