



ALUMINIUM SULPHATE, SOLID

Version 2.2

Revision Date 23.01.2012

Print Date 23.01.2012

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : ALUMINIUM SULPHATE, SOLID
Use of the Substance/Mixture : Flocculating agent, Pulp chemicals and paper auxiliaries, Agent for water treatment

Company : OKER-CHEMIE GMBH
Im Schleeke 77
38642 Goslar
Germany

Telephone : +49 (0)53 21 - 7 51-34 15
E-mail address : infoSDS@hcstarck.com
Responsible Department : Corporate HSEQ
Emergency telephone : +49(0)551/19240

2. HAZARDS IDENTIFICATION

GHS Classification

Serious eye damage/eye irritation, Category 1 H318: Causes serious eye damage.

Classification (67/548/EEC, 1999/45/EC)

Irritant R41: Risk of serious damage to eyes.
May be corrosive to metals.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Substance

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification	R-phrase(s)	GHS Classification	Concentration [%]
Aluminiumsulfat-tetradecahydrat	16828-12-9 233-135-0	Xi	R41	1; H318	>= 98

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Inhalation : Remove to fresh air.
If symptoms persist, call a physician.
Skin contact : Wash off with soap and water.



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- If skin irritation occurs, seek medical advice/attention.
- Eye contact : Flush affected eyes with plenty of water immediately and call a physician.
- Ingestion : Clean mouth with water and drink afterwards plenty of water.
Do NOT induce vomiting.
Obtain medical attention.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Extinguishing methods depends upon fire in vicinity poses.
The product itself does not burn.
- Unsuitable extinguishing media : None known.
- Specific hazards during firefighting : sulfuric oxides (SO_x)
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Avoid formation and deposition of dust.
Effective exhaust ventilation system
Avoid breathing dust.
Avoid contact with skin, eyes and clothing.
Use personal protective equipment.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up : Use mechanical handling equipment.
Avoid dust formation.
Fill into labelled, sealable containers.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Avoid dust formation.
Do not breathe dust.
Ensure adequate ventilation and, if necessary, exhaust ventilation when handling or transferring the product.
Avoid contact with the skin and the eyes.
Ensure that the occupational exposure limit value/s (OEL) and/or other limit values are complied with.
- Advice on protection against fire and explosion : No special precautions required.



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Storage

Requirements for storage areas and containers : Comply with the directives governing water law
Further information on storage conditions : Store in tightly closed containers in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Values

ALUMINIUM SALTS, SOLUBLE; CAS-No.: 16828-12-9

Basis : EH40 (UK)

Threshold limits

TWA : 2 mg/m³

Aluminium sulfate; CAS-No.: 16828-12-9

Basis : OEL (EU)

Note : No limit value established.

Personal protective equipment

Respiratory protection : Avoid breathing dust.
In case of insufficient ventilation, wear suitable respiratory equipment.
Respiratory protective device with particle filter EN 143 - P2

Hand protection : Butyl-rubber, Natural rubber, Nitrile rubber
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Keep working clothes separately.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : fine-grained up to lumpy hygroscopic

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



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Colour : colourless

Odour : odourless

Safety data

Lower explosion limit : no data available

Flammability (contact with water) : not highly flammable
Method: Directive 67/548/EEC Annex V, A.12.

Dust explosibility : no data available

pH : ca. 3

Melting point/range : 650 °C

Water solubility : 629 g/l

10. STABILITY AND REACTIVITY

Conditions to avoid : > 50 °C

Materials to avoid : Metals
Bases

Hazardous decomposition products : Sulphur oxides

Thermal decomposition : >400 °C

11. TOXICOLOGICAL INFORMATION

Eye irritation
Aluminiumsulfat-tetradecahydrat : Result: Risk of serious damage to eyes.

12. ECOLOGICAL INFORMATION

Further information on ecology

Additional ecological information : No information on ecology is available.

13. DISPOSAL CONSIDERATIONS

Product : The Federal, regional and local rules and regulations governing disposal must be complied with.

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: This product cannot be classified with disposal identification key acc. to the EU disposal directives as a classification results from the intended utilisation purpose of the consumer

14. TRANSPORT INFORMATION

ADR

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods

15. REGULATORY INFORMATION

GHS-Labeling

Symbol(s)

:



Signal word

:

Danger

contains :

Aluminiumsulfat-tetradecahydrat

Hazard statements

:

H318

Causes serious eye damage.

Precautionary statements

:

Prevention:
P280

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

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER or doctor/ physician.

Labelling according to EC Directives

Directive 67/548/EEC

Labelling required

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Symbol(s)



Xi Irritant

Hazardous components which must be listed on the label:

contains :

Aluminiumsulfat-tetradecahydrat

R-phrase(s)

R41 Risk of serious damage to eyes.

S-phrase(s)

S22 Do not breathe dust.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 Wear suitable gloves and eye/face protection.

S60 This material and its container must be disposed of as hazardous waste.

National legislation

Major Accident Hazard Legislation : 96/82/EC
Annex I
Number: Is not subject to the Seveso II Directive.

Other regulations : Comply with the directives acc to the EU Maternity Protection Act (92/85/EEC) with regard to occupational restrictions.
Take note of Dir 94/33/EC on the protection of young people at work.

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R41 Risk of serious damage to eyes.

Full text of H-Statements referred to under sections 2 and 3.

H318 Causes serious eye damage.

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. The 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 process, unless specified in the text.

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