

Safety Data sheet

According to Directive 1907/2006

0183 ALUMINIUM AMMONIUM SULPHATE 12-HYDRATE

Creation Date: 01/12/2010 Revision date: 31/05/2017

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

Identification of the product

Catalogue No: 0183 Product name: ALUMINIUM AMMONIUM SULPHATE 12-HYDRATE Use of the substance: Analysis and chemical-pharmaceutical production.

Company/undertaking identification

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2. Hazards identification

Labelling in accordance with directive 1907/2006

Labelling in accordance with directive 1272/2008

Classified as not dangerous in accordance with directive 1999/45/CE
Product not dangerous according to Regulation (EC) 1272/2008

3. Composition/information on ingredients

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 7784-26-1

Molecular Weight: 453,33

Chemical formula: $\text{AlNH}_4(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$

EC-No.: 232-055-3

4. First aid measures

After inhalation:

Fresh air

After skin contact: Rinse with abundant water (or have a shower)

After eye contact:

Rinse with abundant water, keeping eyelids open (at least 10 min)

Call the ophthalmologist

After swallowing:

Drink lots of water

To cause vomit

Call the doctor

5. Fire-fighting measures

Suitable extinguishing media:

Adapt the materials of the surroundings

Special risks:

Fireproof

Ambient fire may liberate hazardous vapours

In case of fire, SO_x gas can be formed

The following may develop in event of fire nitrogen oxides

Special protective equipment for fire fighting:

Remain in the risk area only if provided with independent artificial respiratory systems.

Other information:

Avoid penetration in superficial or subterranean aquifers

Precipitate emergent steam with water

6. Accidental release measures

Person-related precautionary measures:

Avoid dust formation

Do not inhale dust

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.

Rinse.

Environmental protection measures:

Do not send it to the sewerage system

7. Handling and storage

Handling: Without other exigencies

Storage:

Well closed

Dry place.

Storage temperature: without limits

8. Exposure controls/personal protection

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

Needed

Eye protection:

Needed

Other protective equipment:

Change immediately contaminated clothes

Wash hands when work is finished

Fulfill the commitments under local environmental protection legislation

9. Physical and chemical properties

Physical state: Solid

Colour: Colourless

Odour: Odourless

pH value: ca. 2,6 (100 g/l H₂O, 25°C).

Melting point: 94°C

Boiling point: 200°C

Solubility: 150 g/l (water, 20°C); insoluble (ethanol).

10. Stability and reactivity

Hazardous decomposition products:

Sulphoxides.

Nitrogen oxides.

Further information:

Releases water of crystallization when heated.

To avoid heating.

11. Toxicological information

After eye contact:

Slight irritation

After skin contact:

Slight irritation symptoms

After swallowing:

Low absorption through gastrointestinal tract

Serious effects in humans on calcium and phosphate metabolisms from 4000 mg aluminum approx.

Further toxicological information:

Take the usual precautions for handling chemical products

12. Ecological information

Fishes: Toxic as from 0,55 mg/l.

Daphnia: Daphnia magna: toxic as from 136 mg/l.

Algae: Scenedesmus quadricauda: toxic from 1.5 mg/l.

Other harmful effects:

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

13. Disposal considerations

Product:

Dispose as regulated in the communitary countries by local regulations.
Please contact with the suitable authority in each case (Public Administration or company specialized in

Packaging:

Product packaging disposal must be disposed of in compliance with the respective local regulations.
For contaminated packaging the same measures must be adopted as for the contaminated product.
Not contaminated packaging must be disposed of as domestic residues or recycled material.
European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

14. Transport information

Overland transport ADR/RID

Sea transport IMDG

Air transport ICAO-IATA-DGR

15. Regulatory information

16. Other information

The information contained herein is based on the present state of our knowledge.
It characterizes the product with regard to appropriate safety precautions. It does not represent
a guaranty of the properties of the product.