

Safety Data sheet

According to Directive 1907/2006

0184 ALUMINIUM POTASSIUM 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: 0184 Product name: ALUMINIUM POTASSIUM SULPHATE 12-HYDRATE Use of the substance: Chemical analysis. Chemical production. Pharmaceutical production and analysis.

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.: 7784-24-9

Molecular Weight: 474,39

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

EC-No.: 233-141-3

4. First aid measures

After inhalation:

Fresh air

After skin contact:

Rinse with abundant water (or have a shower)

Get rid of the contaminated clothes

After eye contact:

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

After swallowing:

Drink lots of water

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

Special protective equipment for fire fighting:

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

Other information:

Avoid the penetration of the extinction water in superficial or subterranean aquifers.

Precipitate emergent steam with water

6. Accidental release measures

Person-related precautionary measures:

Do not inhale dust

Procedures for cleaning/absorption:

Dry cleaning. Proceed to the elimination of any waste.

Rinse.

To avoid the inert dust formation

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

Exposure limit control

TLV-TWA: 2 mg/m³ (Al)

Personal protective equipment:

Respiratory protection:

Necessary respiratory protection in the presence of dust

Hand protection:

Protection gloves:

Nitrile rubber

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: 3-3,5 (100 g/l H₂O)

Melting point: 92°C

Solubility: 139 g/l (water)

10. Stability and reactivity

Substances to be avoided:

Strong oxidizing agents.

Hazardous decomposition products:

Sulphoxides.

Aluminum oxide.

Further information:

To avoid heating.

Releases water of crystallization when heated.

11. Toxicological information

After eye contact:

Slight irritation

After skin contact:

Slight irritation symptoms

After swallowing:

Irritations of pharynx

Irritations of gastrointestinal tract

Irritations of mucous membranes in the mouth

Irritations of oesophagus

Further toxicological information:

The precautions adapted for chemical agents must be observed

12. Ecological information

Fishes: 0,1 mg/l (toxic), 0,55 mg/l (in very soft water).

Daphnia: Daphnia magna: 136 mg/l (toxic).

Algae: Scenedesmus quadricauda: 1,5 mg/l (toxic).

Other harmful effects:

No ecological problems are to be expected when the product is handled and used with due care are attentio
Harmful effect on aquatic organisms

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.