



S a f e t y   D a t a   S h e e t  
According to Regulation (EC) 1907/2006  
and (EU) 453/2010

## 1101 Aluminium Sulphate 18-hydrate

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

#### 1.1 Product identifier

Name:

Aluminium Sulphate 18-hydrate

**CAS:** [7784-31-8]

**REACH Registration Number:** 01-2119531538-36-XXXX

#### 1.2 Relevant identified uses of the substance or mixture:

Exposure Scenarios	Main user groups principaux	Sectors of use (SU)	Chemical Product Category (PC)	Process Categories (PROC)	Substances in articles (AC)	Environmental Release Categories (ERC)
Water treatment Paper Industry						

#### 1.3 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

Polígono Pla de la Bruguera

E-08211 Castellar del Vallès

(Barcelona) Spain

Tel. (+34) 937 489 400

e-mail: [product.safety@panreac.com](mailto:product.safety@panreac.com)

#### 1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

## 2. Identification of dangers

### 2.1 Classification of the substance or the mixture.

**Classification Regulation (CE) n° 1272/2008.**

Eye Dam. 1

**Classification (67/548/CEE or 1999/45/CE).**

**Xi** Irritant

R41

## **2.2 Label elements:**

### **Hazard Pictograms**



### **Signal word**

Danger

### **Hazard statements**

H318 Causes serious eye damage.

### **Precautionary statements**

P280 Wear protective gloves, protective clothing, eye protection or face protection.

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.

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

## **2.3 Other hazards:**

No further relevant information available.

## **3. Composition/information on ingredients**

Name: Aluminium Sulphate 18-hydrate

Formula:  $\text{Al}_2(\text{SO}_4)_3 \cdot 18\text{H}_2\text{O}$  M.= 666,42 CAS [7784-31-8]

EC number (EINECS): 233-135-0

REACH Registration Number: 01-2119531538-36-XXXX

## **4. First aid measures**

### **4.1 General indications:**

Never provide drink or induce vomiting in the event of loss of consciousness.

### **4.2 Inhaling:**

Go out into the fresh air.

### **4.3 Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing.

**4.4 Eyes:**

Wash with plenty of water, keeping eyelids open. Seek medical assistance.

**4.5 Swallowing:**

Drink large amounts of water. Induce vomiting. Call for medical help.

**5. Firefighting measures****5.1 Suitable extinguishing media:**

As appropriate to the environment.

**5.2 Unsuitable extinguishing media:**

No specific data.

**5.3 Special hazards arising from the substance or mixture:**

Incombustible. In the event of fire, toxic fumes may form:

**5.4 Advice for firefighters:**

Suitable clothing and footwear.

**6. Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures:**

No special indications.

**6.2 Environmental precautions:**

Avoid pollution of the soil, water supplies and drains.

**6.3 Methods and material for containment and cleaning up:**

Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

**7. Handling and storage****7.1 Precautions for safe handling:**

No special indications.

**7.2 Conditions for safe storage, including any incompatibilities:**

Well sealed containers. Dry atmosphere.

**8. Exposure controls/personal protection****8.1 Exposure controls:**

No special indications.

**8.2 Control parameters:**

VLA-ED(Al): 2 mg/m<sup>3</sup>

**8.3 Respiratory protection:**

If dust forms, use suitable respiratory protection. Filter P3.

**8.4 Hand protection:**

Use suitable gloves neopren PVC

**8.5 Eye/face protection:**

Use safety glasses.

### **8.6 Individual hygiene measures:**

Wash hands before breaks and when the job is done. Remove contaminated clothing.

### **8.7 Environmental exposure controls:**

Fulfill the commitments under local environmental protection legislation.

## **9. Physical and chemical properties**

Appearance: solid

Colour: White

Granulometry: N/A

Odour: Odourless.

pH: ~2,5 - 4,0 ((2 % solution))

Melting point/freezing point: 90 °C

Initial boiling point and boiling range:

N/A

Flash point:

N/A

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:

N/A

Vapour pressure: N/A

Vapour density: N/A

Relative density:

Insertar Aquí Grupo de repeticion

N/A

Solubility: 600 g/l in water ( 20 °C )

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Kinematic viscosity: N/A

Dynamic viscosity:

N/A

## **10. Stability and reactivity**

### **10.1 Conditions to avoid:**

The product is chemically stable under standar ambient conditions (room temperature).

### **10.2 Incompatible materials:**

No specific data.

### **10.3 Hazardous decomposition products:**

No specific data.

### **10.4 Chemical stability:**

Through heating, the product loses the crystallization water.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

LD50 oral mus : 6.207 mg/kg

### **11.2 Dangerous effects for health:**

The data we have are insufficient for correct toxicological assessment. Based on the physico-chemical properties, the likely dangerous characteristics are: Upon contact with the skin: irritations slight Through contact with the eyes: irritations slight If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. Take the usual precautions for handling chemical products.

## **12. Environmental information**

### **12.1 Toxicity:**

#### **- EC50 test (mg/l):**

Fish (Al) EC0 0,5 mg/l

Classification:

Extr. toxic

Algae (Sc. quadricauda) EC0 1,5 mg/l

Classification:

Extr. toxic

Fish Toxic (SO4) > 7 g/l

Bacteria Toxic (SO4) > 2,5 g/l

#### **- Receptor medium:**

Risk for the water environment

Medium

Risk for the land environment Medium

#### **- Observations:**

Acute ecotoxicity in the dumping area.

### **12.2 Persistence and Degradability :**

#### **- Test:**

BOD5

#### **- Biotic degradation classification:**

BOD5/COD

Biodegradability

#### **- Abiotic degradation depending on pH:**

#### **- Observations:**

### **12.3 Bioaccumulative potential:**

#### **- Test:**

#### **- Bioaccumulation:**

Risk

#### **- Observations:**

### **12.4 Mobility in soil :**

Data not available.

### **12.5 Assessment PBT and MPMB :**

Data not available.

### **12.6 Other adverse effects:**

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

## **13. Disposal considerations**

### **13.1 Waste treatment methods:**

In the European Union, there are no homogeneous standards established for elimination of chemical waste, which is waste of a special nature, and treatment and elimination of same is subject to the domestic legislation in each country.

In view of this, in each case, you should contact the competent authority or those companies legally authorized for elimination of waste.

2001/573/EC: Council Decision of 23 July 2001 amending Commission Decision 2000/532/EC as regards the list of wastes. Council Directive 91/156/EEC of 18 March 1991 amending Directive 75/442/EEC on waste.

.

### **13.2 Contaminated containers:**

Contaminated containers and packaging of dangerous substances or preparations must be treated in the same manner as the actual products contained in them.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

.

## **14. Transport information**

Not classified as dangerous in the meaning of transport regulations.

## **15. Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## **16. Other information**

### **Other precautionary statements**

### **Labelling (65/548/CEE or 1999/45/CE)**

R-phrases:     **R41** Risk of serious damage to eyes.

S-phrases:     **S25** Avoid contact with eyes.

Version and revision date : 5 08.09.2016

Date published: 15.09.2011

In respect of the previous review, changes have been made to the following sections: 1,2

The information included in this Safety Data Sheet is based on our most up-to-date knowledge, and is solely intended to inform regarding aspects of safety; the properties and characteristics indicated herein are not guaranteed.