



## Safety Data Sheet According to Regulation (EU) 830/2015

### 1138 Ammonium Peroxodisulphate

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

##### 1.1 Product identifier

Name:

Ammonium Peroxodisulphate

##### Synonym:

Ammonium Persulphate

**REACH Registration Number:** 01-2119495973-19-XXXX

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

For laboratory utilisation, analysis, research and fine chemistry.

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

PANREAC QUIMICA S.L.U.

C/Garraf 2

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##### 1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

#### 2. Identification of dangers

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

Ox. Sol. 2

Acute Tox. 4

Eye Irrit. 2

STOT SE 3

Skin Irrit. 2

Resp. Sens 1

Skin Sens. 1

## 2.2 Label elements:

### Hazard Pictograms



### Signal word

#### Hazard statements

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H315 Causes skin irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220 Keep/Store away from clothing/combustible materials.

P221 Take any precaution to avoid mixing with combustibles.

P261 Avoid breathing dust, fume, gas, mist, vapours or spray.

P264 Wash...thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

## 2.3 Other hazards:

No further relevant information available.

## 3. Composition/information on ingredients

### 3.1 Substances

Name: Ammonium Peroxodisulphate

Formula:  $(\text{NH}_4)_2\text{S}_2\text{O}_8$  M.= 228,20 CAS [7727-54-0]

EC number (EINECS): 231-786-5

REACH Registration Number: 01-2119495973-19-XXXX

### 3.2 Mixtures

## 4. First aid measures

### 4.1 Description of first aid measures

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

## **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

## **4.3 Indication of any immediate medical attention and special treatment needed**

### **Swallowing:**

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

### **Inhaling:**

Take the person out into the fresh air.

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

Wash with plenty of water. Remove contaminated clothing.

### **Eyes:**

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. In the event of irritation, seek medical assistance.

## **5. Firefighting measures**

### **5.1 Extinguishing media:**

Carbon dioxide (CO<sub>2</sub>). Dry powder.

### **5.2 Special hazards arising from the substance or mixture:**

Incombustible. Encourages fire to break out. Keep away from combustible substances. In the event of fire, toxic fumes may form: NH<sub>3</sub>, SO<sub>x</sub>, NO<sub>x</sub>.

### **5.3 Advice for firefighters:**

Suitable clothing and footwear.

## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

Do not inhale the dust.

### **6.2 Environmental precautions:**

Do not allow it to enter the drainage system. 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.

### **6.4 Reference to other sections**

Not applicable

## **7. Handling and storage**

### **7.1 Precautions for safe handling:**

Possible formation of pressure inside the container.

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

Well sealed containers. Dry atmosphere. Keep away from flammable substances, sources of ignition and heat.

**Recommended storage temperature:** Room temperature.

## **7.3 Specific end use(s)**

No more relevant data available

# **8. Exposure controls/personal protection**

## **8.1 Control parameters:**

VLA-ED: 0,1 mg/m<sup>3</sup>

## **8.2 Exposure controls**

No special indications.

Respiratory protection:

If dust forms, use suitable respiratory protection.

Hand protection:

Use suitable gloves

Eye/face protection:

Use safety glasses.

Individual hygiene measures:

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

Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

# **9. Physical and chemical properties**

## **9.1 Information on basic physical and chemical properties**

Appearance: solid

Colour: White

Granulometry: N/A

Odour: Odourless.

pH: 3,2 ((100g/l))

Melting point/freezing point: 120 °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: (20/4) 1,98 g/ml

Solubility: 582 g/l in water ( 20 °C )

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: above 120 °C

Kinematic viscosity: N/A

Dynamic viscosity:

N/A

## **9.2 Other information**

No more relevant data available

## **10. Stability and reactivity**

### **10.1 Reactivity**

No specific data.

### **10.2 Chemical stability:**

Vigorous oxidizing agent. Risk of explosion of dust.

### **10.3 Possibility of hazardous reactions**

No specific data.

### **10.4 Conditions to avoid:**

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

### **10.5 Incompatible materials:**

Alkaline compounds. Flammable substances. Iron. Hydrogen peroxide. Peroxides. Silver compounds. Zinc.

### **10.6 Hazardous decomposition products:**

Sulphur oxides. Nitrogen oxides. Ammonia. Ozone.

## **11. Toxicological information**

### **11.1 Information on toxicological effects**

Acute toxicity:

LD50 oral rat : 689 mg/kg

Dangerous effects for health:

Upon contact with the skin: Irritations to the skin and mucosae. Risk of sensitization. Due to absorption: Irritations to the skin, eyes, mucosae and respiratory tracts. Irritation of the digestive apparatus

## **12. Environmental information**

### **12.1 Toxicity:**

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

Crustaceans (Daphnia magna) 120 mg/l

Classification:

Hardly toxic.

Algae (Sc. quadricauda) 33 mg/l

Classification:

Extr. toxic

Fish (NH<sub>4</sub><sup>+</sup>) 0,3 mg/l

Classification: Extr. toxic

Fish (SO<sub>4</sub>) 7000 mg/l

Classification: Hardly toxic.

Bacteria (SO<sub>4</sub>) >2500 mg/l

Classification: Hardly toxic.

**- Receptor medium:** Risk for the water environment

Medium Risk for the land environment

Low - **Observations:**

Acute ecotoxicity in the dumping area.

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

**- Test:**

**- Biotic degradation classification:**

BOD<sub>5</sub>/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:**

Hardly pollutant product.

Reacts with water.

Breaks down in ammonia compounds and oxygen.

## **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.

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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.

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## **14. Transport information**

### **14.1 UN number**

UN1444

### **14.2 UN proper shipping name**

AMMONIUM PERSULPHATE

### **14.3 Transport hazard class(es)**

5.1

### **14.4 Packing group**

ADR/IMDG: III

IATA: III

### **14.5 Environmental hazards**

### **14.6 Special precautions for user**

Not applicable

### **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

## **15. Regulatory information**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

### **15.2 Chemical safety assessment**

Not applicable

## **16. Other information**

**Other precautionary statements**

P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves, protective clothing, eye protection or face protection.  
P285 In case of inadequate ventilation wear respiratory protection.  
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P321 Specific treatment (see on this label).  
P330 Rinse mouth.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
P362 Take off contaminated clothing and wash before reuse.  
P363 Wash contaminated clothing before reuse.  
P370+P378 In case of fire: Use for extinction.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

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.