



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

### 1515 Potassium Hydroxide 85% \*pellets

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

##### 1.1 Product identifier

Name:

Potassium Hydroxide 85% \*pellets

**REACH Registration Number:** 01-2119487136-33-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

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)

#### 2. Identification of dangers

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

Acute Tox. 4

Skin Corr. 1A

Met. Corr. 1

##### 2.2 Label elements:

##### Hazard Pictograms



## **Signal word**

### **Hazard statements**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H290 May be corrosive to metals.

### **Precautionary statements**

P264 Wash...thoroughly after handling.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

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

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

## **2.3 Other hazards:**

No further relevant information available.

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

### **3.1 Substances**

Name: Potassium Hydroxide 85% \*pellets

Formula: KOH M.= 56,11 CAS [1310-58-3]

EC number (EINECS): 215-181-3

EC index number: 019-002-00-8

REACH Registration Number: 01-2119487136-33-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. Avoid vomiting (there is a risk of perforation). Seek immediate medical assistance. Do not neutralize.

#### **Inhaling:**

Take the person out into the fresh air. In the event sickness persists, seek medical assistance.

**Contact with the skin:**

Wash with plenty of water. Remove contaminated clothing. In the event of irritation, seek medical assistance.

**Eyes:**

Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek immediate medical assistance.

**5. Firefighting measures****5.1 Extinguishing media:**

As appropriate to the environment.

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

Incombustible.

**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. Avoid contact with the skin, eyes or clothing.

**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. Neutralize with diluted sulphuric acid.

**6.4 Reference to other sections**

Not applicable

**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.

**Recommended storage temperature:** Room temperature. Do not store in metal containers.

**7.3 Specific end use(s)**

No more relevant data available

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

VLA-EC: 2 mg/m<sup>3</sup>

**8.2 Exposure controls**

No special indications.

Respiratory protection:

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

Hand protection:

Use suitable gloves

Eye/face protection:

Use safety glasses.

Individual hygiene measures:

Remove contaminated clothing. Use suitable work clothing. Wash hands and face 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:

N/A

Granulometry: N/A

Odour: Odourless.

pH: 13,5 ((sol. 0.1 M))

Melting point/freezing point: 360 °C

Initial boiling point and boiling range: 1.327 °C

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) 2,04 g/ml

Solubility: 1.120 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

### **9.2 Other information**

No more relevant data available

## **10. Stability and reactivity**

### **10.1 Reactivity**

No specific data.

### **10.2 Chemical stability:**

Hygroscopic. Solution in water is exothermic.

### 10.3 Possibility of hazardous reactions

No specific data.

### 10.4 Conditions to avoid:

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

### 10.5 Incompatible materials:

Metals. Light metals Formation of hydrogen (risk of explosion) Strong acids. Alkali-earth metals (powder). Ammoniacal compounds Nitrogen organic compounds. Organic compounds. Halogens. Halogen halides. Halogenated hydrocarbons. Non-metal oxyhalides. Halogen oxides Phosphorus. Non-metal oxides. Anhydrides.

### 10.6 Hazardous decomposition products:

No specific data.

## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity:

LD L0 oral rat : 365 mg/kg

LD50 oral rat : 273 mg/kg

Dangerous effects for health:

Upon contact with the skin: burns Through contact with the eyes: burns sight disorders If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. Risk of perforation in the oesophagus and stomach.

## 12. Environmental information

### 12.1 Toxicity:

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

Water organisms 10 mg/l

Classification:

Extr. toxic

#### - Receptor medium:

Risk for the water environment

Medium

Risk for the land environment

Low

#### - Observations:

Ecotoxic for water and land organisms due to the pH deviation. Major acute effects in the dumping area.

### 12.2 Persistence and Degradability :

#### - Test:

#### - 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:**

The treatment is neutralization.

Highly purifiable.

Do not allow it to enter soils or water channels.

Corrosive product, even in diluted form.

## **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**

UN1813

**14.2 UN proper shipping name**

POTASSIUM HYDROXIDE, SOLID

**14.3 Transport hazard class(es)**

8

**14.4 Packing group**

ADR/IMDG: II

IATA: II

**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**

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: 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.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P321 Specific treatment (see on this label).  
P330 Rinse mouth.  
P338 Remove contact lenses, if present and easy to do. Continue rinsing.  
P363 Wash contaminated clothing before reuse.  
P405 Store locked up.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.  
P234 Keep only in original container.  
P390 Absorb spillage to prevent material damage.  
P406 Store in corrosive resistant/ container with a resistant inner liner.

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In respect of the previous review, changes have been made to the following sections: 1,2,4,5,6,7,8,9,10,11,13,14,15

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.