

# Safety Data Sheet

## According to Regulation (EC) 1907/2006



### 1929 Sodium Hydroxide \*pearls

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

##### 1.1 Product identifier

Name:

Sodium Hydroxide \*pearls

**Synonym:**

Caustic soda

**REACH Registration Number:** 01-2119457892-27-XXXX

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

Escenario Exposicion	Grupo	Sector USO	Uso PC	Uso PROC	Categoria Articulo	Uso ERC
Manufacture	Industrial.	SU 3 SU 8		PROC 1 PROC 2 PROC 3 PROC 4 PROC 8a PROC 9		ERC 1
Manufacture	Industrial.	SU 3 SU 8		PROC 1 PROC 2 PROC 3 PROC 4 PROC 8a PROC 8b PROC 9		ERC 1
Industrial. Professional		SU 1- SU 24	PC 0 - PC 40	PROC 1 PROC 2 PROC 3 PROC 4 PROC 5 PROC 8a PROC 8b PROC 9 PROC 10 PROC 11 PROC 13 PROC 15		ERC 1 ERC 2 ERC 4 ERC 6a ERC 6b ERC 7 ERC 8a ERC 8b ERC 8d ERC 9a
Consumer use		SU 21	PC 0 - PC 40			ERC 8a ERC 8b ERC 8d ERC 9a

### 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

Classification of the substance or the mixture.

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

Skin Corr. 1A  
Met. Corr. 1

### Hazard Pictograms



### Signal word

Danger

### Hazard statements

H314 Causes severe skin burns and eye damage.  
H290 May be corrosive to metals.

### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves, protective clothing, eye protection or face protection.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
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.  
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

C Corrosive

R35

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

## 3. Composition/information on ingredients

Name: Sodium Hydroxide \*pearls  
Formula: NaOH M.= 40,00 CAS [1310-73-2]  
EC number (EINECS): 215-185-5  
EC index number: 011-002-00-6  
REACH Registration Number: 01-2119457892-27-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:**

Take the person out into the fresh air. In the event of suffocation, proceed to provide artificial respiration. In the event sickness persists, seek medical assistance.

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

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

### **4.4 Eyes:**

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

### **4.5 Swallowing:**

Drink large amounts of water. Avoid vomiting (there is a risk of perforation). Seek immediate medical assistance. Do not neutralize.

## **5. Firefighting measures**

### **5.1 Suitable extinguishing media:**

Carbon dioxide (CO<sub>2</sub>). Dry powder. Smother with dry earth or sand.

### **5.2 Unsuitable extinguishing media:**

Water.

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

Incombustible. Upon contact with metals, hydrogen gas may form (there is a risk of explosion). Reacts with water violently.

### **5.4 Advice for firefighters:**

Suitable clothing and footwear. Self-contained breathing equipment.

## **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.

## **7. Handling and storage**

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

Moisture-sensitive. Handle in a closed system.

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

Well sealed containers. Dry atmosphere. Room temperature. Keep away from acids. Do not store in metal containers.

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

### **8.1 Exposure controls:**

Ensure good ventilation and renewal of the air in the premises.

### **8.2 Control parameters:**

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

DNEL Workers Inhalation, Prolonged exposure: 1 mg/m<sup>3</sup> ,

DNEL Population Inhalation, long term (local): 1 mg/m<sup>3</sup> ,

### **8.3 Respiratory protection:**

If dust forms, use suitable respiratory protection. Filter P2.

### **8.4 Hand protection:**

Use suitable gloves (butyl rubber) Use suitable gloves (neopren, PVC)

### **8.5 Eye/face protection:**

Use suitable goggles.

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

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

### **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: 14 ((50 g/l))

Melting point/freezing point: 318 °C

Initial boiling point and boiling range: 1.390 °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:

N/A

Solubility: 1.090 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:**

Direct sunlight. Humidity.

### **10.2 Incompatible materials:**

Metals. Light metals Formation of hydrogen (risk of explosion) Acids. Oxidizable compounds. Aluminium.

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

Hydrogen.

### **10.4 Chemical stability:**

Hygroscopic.

## **11. Toxicological information**

### **11.1 Acute toxicity:**

: Data not available.

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

**Skin corrosion/irritation:** Corrosive substance. **Serious eye damage/irritation:**

Corrosive substance. **Respiratory or skin sensitisation:** No evidence. **Germ cell**

**mutagenicity:** The results of test are negative. **Carcinogenicity:** Data not

available. **Reproductive toxicity:** No evidence. **STOT- single exposure:**

Corrosive substance. **STOT-repeated exposure:** No evidence.

## **12. Environmental information**

### **12.1 Toxicity:**

Fish LC50 35 - 189 mg/ (96h)l

Crustaceans (Daphnia magna) EC50 40,4 mg/l (48h)

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

It completely dissociates in water .

### **12.3 Bioaccumulative potential:**

Non-bioaccumulable product.

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

Important solubility and mobility.

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

According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Does not meet the criteria for PBT (persistent / bioaccumulative / toxic). According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): Does not meet the criteria vPvB (very persistent / very bioaccumulative).

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

The treatment is neutralization.  
Highly purifiable.  
Do not allow it to enter soils or water channels.  
Highly corrosive product.

## **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**

Overland (ADR):  
Technical name: SODIUM HYDROXIDE, SOLID  
UN 1823 Class: 8 Packaging group: II (E)  
By sea (IMDG):  
Technical name: SODIUM HYDROXIDE, SOLID  
UN 1823 Class: 8 Packaging group: II  
By air (ICAI-IATA):  
Technical name: Sodium hydroxide, solid  
UN 1823 Class: 8 Packaging group: II  
Packaging instructions: CAO 863 PAX 859

## **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-phrase(s):     **R35** Causes severe burns.

S-phrase(s):     **S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
                      **S37/39** Wear suitable gloves and eye/face protection.  
                      **S45** In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Version and revision date : 5 02.09.2013

Remplaced: 15.09.2011

In respect of the previous review, changes have been made to the following sections: 1, 4, 5, 7, 8, 10, 11, 12

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.