



## Safety Data Sheet

### According to Regulation (EU) 830/2015

## 1687 Sodium Hydroxide pellets

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

#### 1.1 Product identifier

Name:

Sodium Hydroxide pellets

#### Synonym:

Caustic Soda

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

## 2. Identification of dangers

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

Skin Corr. 1A

Met. Corr. 1

### 2.2 Label elements:

#### 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.

### 2.3 Other hazards:

No further relevant information available.

## 3. Composition/information on ingredients

### **3.1 Substances**

Name: Sodium Hydroxide pellets  
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

### **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 of suffocation, proceed to provide artificial respiration. 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:**

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

### **5.2 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.

### **5.3 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.

## **6.4 Reference to other sections**

Not applicable

# **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.

**Recommended storage temperature:** Room temperature. Keep away from acids. 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> DNELWorkers Inhalation, Prolonged exposure: 1 mg/m<sup>3</sup>  
DNELPopulation Inhalation, long term (local): 1 mg/m<sup>3</sup>

## **8.2 Exposure controls**

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

Respiratory protection:

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

Hand protection:

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

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: 14 ((50g/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: 2,13 g/ml  
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

## **9.2 Other information**

No more relevant data available

## **10. Stability and reactivity**

### **10.1 Reactivity**

No specific data.

### **10.2 Chemical stability:**

Hygroscopic.

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

No specific data.

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

Direct sunlight. Humidity.

### **10.5 Incompatible materials:**

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

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

Hydrogen.

## **11. Toxicological information**

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

Acute toxicity:

: Data not available.

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)

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.

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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**

UN1823

**14.2 UN proper shipping name**

SODIUM 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**

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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.

