



4260 Sodium Perborate 1-hydrate

1. Identification of the substance/preparation and of the company or firm

1.1 Identification of the substance or preparation

Name:

Sodium Perborate 1-hydrate

Synonym:

REACH Registration Number: 01-2119516039-43-XXXX

1.2 Use of the substance/preparation:

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

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) nº 1272/2008.

Repr. 1B

Ox. Sol. 1

Acute Tox. 4

STOT SE 3

Eye Dam. 1

Repr. 2

Hazard Pictograms



Signal word

Danger

Hazard statements

H360D May damage the unborn child.
H271 May cause fire or explosion; strong oxidiser.
H302 Harmful if swallowed.
H335 May cause respiratory irritation.
H318 Causes serious eye damage.
H361f Suspected of damaging fertility.

Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. 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/spray.

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

T Toxic	R37
O Oxidizing	R22
	R8
	R61
	R41
	R62

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

3. Component Composition/Information

Name: Sodium Perborate 1-hydrate
Formula: $\text{NaBO}_3 \cdot \text{H}_2\text{O}$ M.= 99,81 CAS [10332-33-9]
EC number (EINECS): 239-172-9
REACH Registration Number: 01-2119516039-43-XXXX

4. First aid**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.

4.5 Swallowing:

Drink large amounts of water. Seek medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

Water. Carbon dioxide (CO₂). Foam.

5.2 Fire-fighting means which must NOT be used:

No specific data.

5.3 Special risks:

Do not allow contact with organic matter.

5.4 Protective equipment:

Suitable clothing and footwear. Self-contained breathing equipment.

6. Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Do not inhale the dust. Avoid contact with the skin, eyes or clothing.

6.2 Precautions for care of the environment:

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

6.3 Methods for collection/cleaning:

Collect up dry. Collect up dry and deposit in waste containers for subsequent elimination in accordance with current legislation.

7. Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

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

8. Staff exposure/protection controls

8.1 Technical protective measures:

No special indications.

8.2 Exposure limit control:

: Data not available.

8.3 Respiratory protection:

If dust forms, use suitable respiratory protection.

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Use suitable work clothing. Wash hands 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:

N/A

Melting point/freezing point: 63 °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:

N/A

Solubility: 23 g/l in water 20 °C

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Viscosity: N/A

10. Stability and reactivity

10.1 Conditions which should be avoided:

Moisture-sensitive.

10.2 Matter which should be avoided:

Organic compounds. Metals.

10.3 Hazardous decomposition products:

No specific data.

10.4 Complementary information:

No specific data.

11. Toxicological information

11.1 Acute toxicity:

LD L0 oral hmn : 214 mg/kg

LD50 oral rat : 1.200 mg/kg

11.2 Dangerous effects for health:

Take the usual precautions for handling chemical products. Irritations to the skin, eyes and mucosae.

12. Environmental information

12.1 Toxicity:

Fish (Leuciscus Idus) LC50 175 mg/l/48 h.

Daphnia (Daphnia magna) EC50 133-226 mg/l/48 h.

12.2 Persistence and Degradability :

Data not available.

12.3 Bioaccumulative potential:

Data not available.

12.4 Mobility in soil :

Data not available.

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other possible effects on the environment:

Environmental risks cannot be excluded if used and/or disposed of inappropriately.

13. Considerations regarding elimination

13.1 Substance or preparation:

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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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.

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14. Information concerning transport

Overland (ADR):

Technical name: SODIUM PERBORATE MONOHYDRATE

UN 3377 Class: 5.1 Packaging group: III (E)

By sea (IMDG):

Technical name: SODIUM PERBORATE MONOHYDRATE

UN 3377 Class: 5.1 Packaging group: III

By air (ICAI-IATA):

Technical name: Sodium Perborate monohydrate

UN 3377 Class: 5.1 Packaging group: III

Packaging instructions: CAO 563 PAX 559

15. Regulatory information

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

16. Other information

Other precautionary statements

P264 Wash...thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
P283 Wear fire/flame resistant/retardant clothing.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P306+P360 IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P310 Immediately call a POISON CENTER or doctor/physician.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
P370+P378 In case of fire: Use for extinction.
P371+P380+P375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
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.

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

R-phrases(s):	R37 Irritating to respiratory system. R22 Harmful if swallowed. R8 Contact with combustible material may cause fire. R61 May cause harm to the unborn child. R41 Risk of serious damage to eyes. R62 Possible risk of impaired fertility.
S-phrases(s):	S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S53 Avoid exposure - obtain special instructions before use.

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.

In respect of the previous review, changes have been made to the following sections: 2, 3, 15

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