



S a f e t y D a t a S h e e t
According to Regulation (EC) 1907/2006
and (EU) 453/2010

5506 Sodium Plumbite solution *(Doctor solution)

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

1.1 Product identifier

Name:

Sodium Plumbite solution *(Doctor solution)

REACH Registration Number: A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) N° 1907/2006, the annual tonnage does not require a registration, the registration is envisaged for a later registration deadline or it is a mixture.

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

1.4 Emergency telephone:

Single telephone number for emergency calls: 112 (EU)

Tel.: (+34) 937 489 499

2. Identification of dangers

2.1 Classification of the substance or the mixture.

Classification Regulation (CE) nº 1272/2008.

Skin Corr. 1A
Repr. 1A
Acute Tox. 4
Acute Tox. 4
STOT RE 2
Aquatic Chronic 2

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

C Corrosive
T Toxic

RE20/22
R62
R61
R35
R33
R51/53

2.2 Label elements:

Hazard Pictograms



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
H360Df May damage the unborn child. Suspected of damaging fertility.
H332 Harmful if inhaled.
H302 Harmful if swallowed.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
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.

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

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

Name: Sodium Plumbite solution *(Doctor solution)

COMPOSITION:

0001: 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

Content: $\geq 10\%$ $\leq 20\%$

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 Causes severe burns.

0002: Lead(II) Oxide

Formula: PbO M.= 223,20 CAS [1317-36-8]

EC number (EINECS): 215-267-0

EC index number: 082-001-00-6

REACH Registration Number: 01-2119517589-27-XXXX

Content: >= 5 % <= 15 %

Classification Regulation (CE) n° 1272/2008.

Repr. 1A

Acute Toxicity Inhalation cat. 4

Acute Toxicity Oral cat. 4

Aquatic Acute 1

Aquatic Chronic 1

Hazard Pictograms



Signal word

Danger

Hazard statements

H360Df May damage the unborn child. Suspected of damaging fertility.

H332 Harmful if inhaled.

H302 Harmful if swallowed.

H373 May cause damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P202 Do not handle until all safety precautions have been read and understood.

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

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.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P281 Use personal protective equipment as required.

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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P314 Get medical advice/attention if you feel unwell.

P330 Rinse mouth.

P391 Collect spillage.

P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

T Toxic
N Dangerous for the environment

R61 May cause harm to the unborn child.
R20/22 Harmful by inhalation and if swallowed.
R33 Danger of cumulative effects.
R62 Possible risk of impaired fertility.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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 immediately to provide artificial respiration. Seek immediate medical assistance.

4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing. Take the product out with cotton wool soaked in polyethylene-glycol 400.

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:

As appropriate to the environment.

5.2 Unsuitable extinguishing media:

No specific data.

5.3 Special hazards arising from the substance or mixture:

Incombustible.

5.4 Advice for firefighters:

Suitable clothing and footwear.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do not inhale the fumes.

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 with absorbent materials (Panreac General Absorbent, Kieselguhr, etc.) or, if none available, dry sand or earth, and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water. Neutralize with diluted sulphuric acid.

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. In well ventilated premises. Dry atmosphere. Restricted access, only authorized to technicians.

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

8. Exposure controls/personal protection

8.1 Exposure controls:

Avoid exposure during handling and transfer.

8.2 Control parameters:

VLA-EC(NaOH): 2 mg/m³ VLA-ED(Pb): 0,1 mg/m³

8.3 Respiratory protection:

In the event of fumes forming/aerosols, use Full Facial Mask Filter B3.

8.4 Hand protection:

Use suitable gloves (neopren)

8.5 Eye/face protection:

Use safety glasses.

8.6 Individual hygiene measures:

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

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

Appearance: liquid

Colour: Colourless

Granulometry: N/A

Odour: Odourless.

pH:

N/A

Melting point/freezing point: N/A

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:

Insertar Aquí Grupo de repetición

1,143 g/ml
Solubility: Miscible with water
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:

High temperatures.

10.2 Incompatible materials:

Acids. Metals.

10.3 Hazardous decomposition products:

No specific data.

10.4 Chemical stability:

No specific data.

11. Toxicological information

11.1 Acute toxicity:

: Data not available.

11.2 Dangerous effects for health:

Taking the preparation's components into account, the likely dangerous characteristics are as follows: Upon contact with the skin: burns Through contact with the eyes: burns Risk of blindness (irreversible injury of the optic nerve) If swallowed: Burns in the digestive apparatus Risk of perforation in the oesophagus and stomach. Systemic effects: collapse death For lead compounds in general : In high concentrations: The product is absorbed with difficulty in the gastro-intestinal tract, which can cause acute toxicity. After a period of latency: Metallic taste nausea vomiting intestinal disorders shock Chronic effects muscular disorders blood alterations effects on the central nervous system Pregnant women must not be allowed to come into contact with the product. Possible risk of adverse effects to the foetus during pregnancy. Possible risk of impaired fertility. If swallowed in large quantities: nausea vomiting Other dangerous characteristics are not discarded.

12. Environmental information

12.1 Toxicity:

- EC50 test (mg/l):

Fish 189 mg/l

Classification:

Extr. toxic

Bacteria (*Ps. putida*) (Pb) 1,4 mg/l

Classification: Extr. toxic

Algae (*Sc. quadricauda*) (Pb) 3,7 mg/l

Classification: Extr. toxic

Algae (*M. aeruginosa*) (Pb) 0,45 mg/l

Classification: Extr. toxic

Protozoa (*E. sulcatum*) (Pb) 0,02 mg/l

Classification: Extr. toxic

Protozoa (*U. parduczi*). (Pb) 0,07 mg/l

Classification: Extr. toxic

Crustaceans (*Daphnia magna*) (Pb) 2,5 mg/l

Classification: Extr. toxic

Fish (*Salmo gairdneri*) (Pb) 0,14 mg/l

Classification: Extr. toxic

Fish (*Leuciscus Idus*) (Pb) 546 mg/l

Classification: Highly toxic

- Receptor medium:

Risk for the water environment

High

Risk for the land environment

Medium

- Observations:

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:

Bioaccumulable product.

12.4 Mobility in soil :

Data not available.

12.5 Assessment PBT and MPMB :

Data not available.

12.6 Other adverse effects:

Do not allow it to enter soils or water channels.

Water-pollutant product.

Dangerous for drinking water.

DATA BASED on the components of the preparation.

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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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. Transport information

Overland (ADR):

Technical name: CORROSIVE LIQUID, TOXIC, N.O.S.

UN 2922 Class: 8 6.1 CONTAM. MAR PELIG.M.AMB Packaging group: II (E)

By sea (IMDG):

Technical name: CORROSIVE LIQUID, TOXIC, N.O.S.

UN 2922 Class: 8 6.1 CONTAM. MAR PELIG.M.AMB Packaging group: II

By air (ICAI-IATA):

Technical name: Corrosive liquid, toxic, n.o.s.

UN 2922 Class: 8 6.1 CONTAM. MAR PELIG.M.AMB Packaging group: II

Packaging instructions: CAO 855 PAX 851

15. Regulatory information

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

16. Other information

Other precautionary statements

P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves, protective clothing, eye protection or face protection.
P281 Use personal protective equipment as required.
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.
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.
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.
P314 Get medical advice/attention if you feel unwell.
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.
P391 Collect spillage.
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):	RE20/22 Also harmful by inhalation and if swallowed. R62 Possible risk of impaired fertility. R61 May cause harm to the unborn child. R35 Causes severe burns. R33 Danger of cumulative effects. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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. S37/39 Wear suitable gloves and eye/face protection. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Version and revision date : 5 07.06.17

Date published: 07.06.17

In respect of the previous review, changes have been made to the following sections: 14

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.