



2756 Sodium Selenite anhydrous

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

1.1 Identification of the substance or preparation

Name:

Sodium Selenite anhydrous

Synonym:

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 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) n° 1272/2008.

Acute Tox. 3

Acute Tox. 2

Skin Sens. 1

Aquatic Chronic 2

Hazard Pictograms



Signal word

Danger

Hazard statements

H331 Toxic if inhaled.

H300 Fatal if swallowed.

EUH031 Contact with acids liberates toxic gas.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/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.

P272 Contaminated work clothing should not be allowed out of the workplace.

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

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

N Dangerous for the environment

T+ Very toxic

R43

R31

R28

R23

R51/53

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

3. Component Composition/Information

Name: Sodium Selenite anhydrous

Formula: Na₂SeO₃ M.= 172,94 CAS [10102-18-8]

EC number (EINECS): 233-267-9

EC index number: 034-002-00-8

4. First aid**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 sickness persists, seek medical assistance.

4.3 Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

4.4 Eyes:

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

4.5 Swallowing:

Drink large amounts of water. Induce vomiting. Seek immediate medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

As appropriate to the environment.

5.2 Fire-fighting means which must NOT be used:

No specific data.

5.3 Special risks:

Incombustible.

5.4 Protective equipment:

Suitable clothing and footwear.

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

6.1 Individual precautions:

No special indications.

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 and deposit in waste containers for subsequent elimination in accordance with current legislation. Clean any remains with plenty of water.

7. Handling and storage

7.1 Handling:

No special indications.

7.2 Storage:

Well sealed containers. In well ventilated premises. Restricted access, only authorized to technicians.

8. Staff exposure/protection controls

8.1 Technical protective measures:

No special indications.

8.2 Exposure limit control:

VLA-ED(Se): 0,1 mg/m³

8.3 Respiratory protection:

If dust forms, use suitable respiratory protection. Filter (Se).

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. Wash hands and face before breaks and when the job is done. Do not eat, drink or smoke in the workplace. Do not inhale the substance.

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

9. Physical and chemical properties

Appearance: solid

Colour: White to yellowish

Granulometry: N/A

Odour: Characteristic.

pH: 9

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:

N/A

Solubility: in Soluble in water.

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: above 300 °C

Viscosity: N/A

10. Stability and reactivity

10.1 Conditions which should be avoided:

Moisture-sensitive.

10.2 Matter which should be avoided:

No specific data.

10.3 Hazardous decomposition products:

No specific data.

10.4 Complementary information:

No specific data.

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rbt : 2,25 mg/kg

LD50 oral rat : 7 mg/kg

11.2 Dangerous effects for health:

Irritations to the skin, eyes, mucosae and respiratory tracts. Can cause bronchopneumonia pulmonary oedema Selenium has toxic-enzymatic effects, even if absorbed in small doses. Produces a typical odour of garlic on the breath and sweat. Can cause dermatitis Chronic effects alterations of the metabolism hepatic problems kidney problems Toxic effect in the urinary and gastro-intestinal tract, spleen, marrow, heart, nerves (risk of paralysis). Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Toxicity:

12.1.1 - EC50 test (mg/l):

Algae (*Sc. quadricauda*) (Se) 2,5 mg/l

Classification: Extr. toxic

Protozoa: (Se) 183 mg/l

Classification: Highly toxic

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

Classification: Extr. toxic

Fish (*C. auratus*) 2 mg/l

Classification:

Extr. toxic

12.1.2. - Receptor medium:

Risk for the water environment

Medium

Risk for the land environment

Low

12.1.3. - Observations:

Acute ecotoxicity in the dumping area.

12.2 Persistence and Degradability :

12.2.1 - Test:

12.2.2. - Biotic degradation classification:

BOD5/COD

Biodegradability

12.2.3. - Abiotic degradation depending on pH:

12.2.4. - Observations:

12.3 Bioaccumulative potential:

12.3.1. - Test:

12.3.2. - Bioaccumulation:

Risk

12.3.3. - Observations:

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:

Do not allow it to enter soils or water channels.

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: SELENITES

UN 2630 Class: 6.1 CONTAM. MAR PELIG.M.AMB Packaging group: I
(C/E)

By sea (IMDG):

Technical name: SELENITES

UN 2630 Class: 6.1 CONTAM. MAR PELIG.M.AMB Packaging group: I
By air (ICAI-IATA):

Technical name: Selenates

UN 2630 Class: 6.1 CONTAM. MAR PELIG.M.AMB Packaging group: I
Packaging instructions: CAO 673 PAX 666

15. Regulatory information

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

16. Other information

Other precautionary statements

P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P311 Call a POISON CENTER or doctor/physician.
P321 Specific treatment (see on this label).
P330 Rinse mouth.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

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

R-phrases(s): **R43** May cause sensitisation by skin contact.
 R31 Contact with acids liberates toxic gas.
 R28 Very toxic if swallowed.
 R23 Toxic by inhalation.
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s): **S61** Avoid release to the environment. Refer to special instructions/safety data sheets.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S36/37 Wear suitable protective clothing and gloves.
 S28a After contact with skin, wash immediately with plenty of water.

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