

Safety Data Sheet

According to Regulation (EC) 1907/2006



1685 Sodium Dithionite

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

1.1 Identification of the substance or preparation

Name:

Sodium Dithionite

Synonym:

Sodium Hydrosulphite, Sodium Hypodisulphite, Sodium Sulphoxylate

REACH Registration Number: 01-2119520510-57-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) n° 1272/2008.

Acute Toxicity Oral cat. 4

Self-heat cat. 1

Hazard Pictograms



Signal word

Danger

Hazard statements

EUH031 Contact with acids liberates toxic gas.
H251 Self-heating: may catch fire.
H302 Harmful if swallowed.

Precautionary statements

P235+P410 Keep cool. Protect from sunlight.
P264 Wash...thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P501 Dispose of contents/container according to Directive 94/62/CE or 2008/98/CE.

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

Xn Harmful

R7
R22
R31

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

3. Component Composition/Information

Name: Sodium Dithionite

Formula: $\text{Na}_2\text{S}_2\text{O}_4$ M.= 174,11 CAS [7775-14-6]

EC number (EINECS): 231-890-0

EC index number: 016-028-00-1

REACH Registration Number: 01-2119520510-57-XXXX

Composition:

0001: Sodium Carbonate anhydrous

Formula: Na_2CO_3 M.= 105,99 CAS [497-19-8]

EC number (EINECS): 207-838-8

EC index number: 011-005-00-2

REACH Registration Number: 01-2119485498-19-XXXX

Content: $\geq 2,5 \%$ $\leq 20 \%$

Classification Regulation (CE) n° 1272/2008.

Eye Irrit. 2

Hazard Pictograms



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash...thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

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

Xi Irritant

R36 Irritating to eyes.

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 soap and water. Remove contaminated clothing.

4.4 Eyes:

Wash with plenty of water, keeping eyelids open. Seek medical assistance.

4.5 Swallowing:

Wash mouth out immediately. Drink large amounts of water. Avoid vomiting. Seek medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

Smother with dry earth or sand. Carbon dioxide (CO₂). Dry powder.

5.2 Fire-fighting means which must NOT be used:

Water.

5.3 Special risks:

Combustible. Keep away from sources of ignition. In the event of fire, toxic fumes may form.

5.4 Protective equipment:

Suitable clothing and footwear.

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

6.1 Individual precautions:

Do not inhale the dust.

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:

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

7.2 Storage:

15 °C Cooled (below Well sealed containers. In well ventilated premises. Dry atmosphere. Away from sources of ignition and heat.

8. Staff exposure/protection controls

8.1 Technical protective measures:

Ensure good ventilation and renewal of the air in the premises. Do not inhale the dust.

8.2 Exposure limit control:

VLA-EC: 13 mg/m³ ,

8.3 Respiratory protection:

If dust forms, use suitable respiratory protection. Filter for particles and acid gas.

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated clothing. 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: Characteristic.

pH: ~6,5 ((50g/l))

Melting point/freezing point: >100 °C

Initial boiling point and boiling range:

N/A

Flash point: > 100 °C

Flammability (solid, gas):

N/A

Upper/lower flammability or explosive limits:
N/A
Vapour pressure: N/A
Vapour density: N/A
Relative density: (20/4) 2,38
Solubility: 224 g/l in water (20 °C)
Partition coefficient: n-octanol/water: < - 4,7
Auto-ignition temperature:
N/A
Decomposition temperature: >100 °C
Kinematic viscosity:N/A
Dynamic viscosity:
N/A

10. Stability and reactivity

10.1 Conditions which should be avoided:

Humidity.

10.2 Matter which should be avoided:

Acids. Oxidant agents. Water. Air Salts of oxyhalogenic acids.

10.3 Hazardous decomposition products:

In the event of fire, toxic fumes may form.

10.4 Complementary information:

The product is chemically stable under standar ambient conditions (room temperature).

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rat : 2.500 mg/kg

11.2 Dangerous effects for health:

If inhaled: coughing If swallowed: nausea, stomach pains, vomiting, diarrhoea

12. Environmental information

12.1 Toxicity:

Fish NOEC 10 mg/l (48h)

Crustaceans (Daphnia magna) EC100 250 mg/l (48h)

Algae (Scenedesmus sp) EC 90: 421,8 mg/l (72h)

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:

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: SODIUM DITHIONITE (SODIUM HYDROSULPHITE)

UN 1384 Class: 4.2 Packaging group: II (D/E)

By sea (IMDG):

Technical name: SODIUM DITHIONITE (SODIUM HYDROSULPHITE)

UN 1384 Class: 4.2 Packaging group: II

By air (ICAI-IATA):

Technical name: Sodium dithionite

UN 1384 Class: 4.2 Packaging group: II

Packaging instructions: CAO 470 PAX 467

15. Regulatory information

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

16. Other information

Other precautionary statements

P330 Rinse mouth.

P407 Maintain air gap between stacks/pallets.

P413 Store bulk masses greater than kg/ lbs at temperatures not exceeding oC/oF.

P420 Store away from other materials.

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

R-phrase(s): **R7** May cause fire.
 R22 Harmful if swallowed.
 R31 Contact with acids liberates toxic gas.

S-phrase(s): **S7/8** Keep container tightly closed and dry.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S28a After contact with skin, wash immediately with plenty of water.
 S43f In case of fire, use sand. Never use water.

Version and revision date : 5 10.8.2012

Replaced: 15.09.2011

In respect of the previous review, changes have been made to the following sections: 1, 2, 3

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.