

Safety Data Sheet
According to Regulation (EU) 830/2015

1702 **Sodium Nitrate**

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

1.1 Product identifier

Name:

Sodium Nitrate

REACH Registration Number: 01-2119488221-41-0031

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)

2. Identification of dangers

2.1 Classification of the substance or the mixture.

Ox. Sol. 2

2.2 Label elements:

Hazard Pictograms



Signal word

Hazard statements

H272 May intensify fire; oxidiser.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220 Keep/Store away from clothing/combustible materials.

P221 Take any precaution to avoid mixing with combustibles.

P280 Wear protective gloves, protective clothing, eye protection or face protection.

P370+P378 In case of fire: Use for extinction.

2.3 Other hazards:

No further relevant information available.

3. Composition/information on ingredients

3.1 Substances

Name: Sodium Nitrate

Formula: NaNO₃ M.= 84,99 CAS [7631-99-4]

EC number (EINECS): 231-554-3

REACH Registration Number: 01-2119488221-41-0031

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. Induce vomiting. Call for medical help.

Inhaling:

Take the person out into the fresh air.

Contact with the skin:

Wash with plenty of water. Remove contaminated clothing.

Eyes:

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

5. Firefighting measures

5.1 Extinguishing media:

As appropriate to the environment.

5.2 Special hazards arising from the substance or mixture:

Incombustible. Encourages fire to break out. Keep away from combustible substances. In the event of fire, toxic fumes may form. Precipitate fumes formed with water.

5.3 Advice for firefighters:

Suitable clothing and footwear.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Do not inhale the dust.

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. Clean any remains with plenty of water.

6.4 Reference to other sections

Not applicable

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

Recommended storage temperature: Room temperature.

7.3 Specific end use(s)

No more relevant data available

8. Exposure controls/personal protection

8.1 Control parameters:

Data not available.

8.2 Exposure controls

No special indications.

Respiratory protection:

If dust forms, use suitable respiratory protection.

Hand protection:

Use suitable gloves

Eye/face protection:
Use safety glasses.

Individual hygiene measures:
Use suitable work clothing. Remove contaminated 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: White
Granulometry: N/A
Odour: Odourless.
pH: ~6,6 ((50g/l))
Melting point/freezing point: 309 °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: 2,26 g/ml
Solubility: 880 g/l in water (20 °C)
Partition coefficient: n-octanol/water:
N/A
Auto-ignition temperature:
N/A
Decomposition temperature: above 380 °C
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:

No specific data.

10.3 Possibility of hazardous reactions

No specific data.

10.4 Conditions to avoid:

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

10.5 Incompatible materials:

Performic acid. Sulphur. Alkaline metals. Flammable substances. Metals (powder). Cyanides. Heat Carbon. Oxidizable compounds. Acetic anhydride. Polyvinyl chloride (PVC). Sodium phosphite. Sodium thiosulphate. Aluminium oxide. Boron phosphide.

10.6 Hazardous decomposition products:

Nitrous fumes.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD L0 oral hmn : 114 mg/kg

LD50 oral rat : 3.236 mg/kg

Dangerous effects for health:

If swallowed: Irritations to the mucosae nausea intestinal disorders vomiting

Through contact with the eyes: irritations If it is absorbed in large quantities:

metahemoglobinemia with headaches arrhythmia hypotension breathing

difficulties spasms cyanosis

12. Environmental information

12.1 Toxicity:

- EC50 test (mg/l):

Bacteria 700 mg/l

Classification:

Highly toxic

Fish (Salmo gairdneri) 2500 mg/l

Classification:

Very toxic

Fish (C. carpio) 3100 mg/l

Classification: Very toxic

- Receptor medium:

Risk for the water environment

Low

Risk for the land environment

Low

- Observations:

Acute ecotoxicity in the dumping area.

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:

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.

Nitrates can encourage eutrophy,

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

UN1498

14.2 UN proper shipping name

SODIUM NITRATE

14.3 Transport hazard class(es)

5.1

14.4 Packing group

ADR/IMDG: III

IATA: III

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

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.

