



Safety Data Sheet

According to Regulation (EC) 1907/2006



A051 Sodium Hydride 60% *mineral oil dispersion

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

1.1 Identification of the substance or preparation

Name:

Sodium Hydride 60% *mineral oil dispersion

1.2 Synonym:

1.3 Use of the substance/preparation:

For laboratory utilisation, analysis, research and fine chemistry.

1.4 Identification of the company or firm:

PANREAC QUIMICA S.L.U.

C/Garraf 2

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Emergencies:

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Tel.: (+34) 937 489 499

Identification of dangers

Classification of the substance or the mixture.

Classification Regulation (CE) n° 1272/2008.

Water-react. 1

Hazard Pictograms



Signal word

Danger

Hazard statements

H260 In contact with water releases flammable gases which may ignite spontaneously.

Precautionary statements

P223 Keep away from any possible contact with water, because of violent reaction and possible flash fire.

P231+P232 Handle under inert gas. Protect from moisture.

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

P335+P334 Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.

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

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

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

F Highly flammableR15

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

Component Composition/Information

Name: Sodium Hydride 60% *mineral oil dispersion

Formula: NaH M.= 24,00 CAS [7646-69-7]

EC number (EINECS): 231-587-3

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. In the event of suffocation, proceed to provide artificial respiration. In the event sickness persists, seek medical assistance.

4.3 Contact with the skin:

Wash with plenty of soap and water. Remove contaminated clothing. In the event of irritation, seek medical assistance.

4.4 Eyes:

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

4.5 Swallowing:

Wash mouth out immediately. Avoid vomiting. Seek immediate medical assistance.

Fire-fighting means

5.1 Suitable fire-extinguishing means:

Dry powder. Smother with dry earth or sand.

5.2 Fire-fighting means which must NOT be used:

Water. Carbon dioxide (CO₂). Foam.

5.3 Special risks:

Combustible. Keep away from sources of ignition. In the event of fire, toxic fumes may form. May form explosive mixtures with the air. Do not allow extinguishing water into surface or underground water courses. Keep the workplace dry. The substance must not come into contact with water.

5.4 Protective equipment:

Suitable clothing and footwear. Self-contained breathing equipment.

Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

Do not inhale the dust. Ensure adequate ventilation. Avoid sources of ignition. Do not smoke. Evacuate all non-essential personnel. 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 and deposit in waste containers for subsequent elimination in accordance with current legislation.

Handling and storage

7.1 Handling:

Ensure good ventilation and renewal of the air in the premises. Avoid the formation of electrostatic charges. Handle under an extractor fan. Packaged under nitrogen atmosphere.

7.2 Storage:

Well sealed containers. In a cool, dry, well ventilated place. Away from sources of ignition and heat. Atmospheric temperature.

Staff exposure/protection controls

8.1 Technical protective measures:

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

8.2 Exposure limit control:**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:

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

8.7 Environmental exposure controls:

Fulfill the commitments under local environmental protection legislation.

Physical and chemical properties

Appearance:

Colour:

Granulometry:

Odour: Odourless.

pH:

Melting point/freezing point: 800 °C

Initial boiling point and boiling range:

Flash point:

Flammability (solid, gas):

Upper/lower flammability or explosive limits:

Vapour pressure:

Vapour density:

Relative density: 1,2

Solubility:

Partition coefficient: n-octanol/water:

Auto-ignition temperature:

Decomposition temperature:

Viscosity:

Stability and reactivity

10.1 Conditions which should be avoided:

Humidity. Adjacent sources of heat and temperatures over

10.2 Matter which should be avoided:

Strong oxidant agents. Acids. Air Alcohols.

10.3 Hazardous decomposition products:

Carbon monoxide. Carbon dioxide. Hydrogen.

10.4 Complementary information:

Toxicological information

- **Acute toxicity:**

- **Dangerous effects for health:**

If inhaled: Irritations to the mucosae coughing breathing difficulties Can cause spasms nausea laryngitis inflammation and oedema of the larynx, bronchi and lungs. Can cause pulmonary oedema pneumonia. Upon contact with the skin: irritations burns Through contact with the eyes: irritations burns If swallowed: Irritations of the mucosae in the mouth, throat, oesophagus and intestinal tract. Harmful to the health. Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

Environmental information

12.1 Mobility:

12.2 Ecotoxicity:

12.2.1 - EC50 test (mg/l):

12.2.2 - Receptor medium:

Risk for the water environment

Risk for the land environment

12.2.3 - Observations:

The product reacts with water.

12.3 Degradability:

12.3.1 - Test:

12.3.2 - Biotic degradation classification:

BOD5/COD

Biodegradability

12.3.3 - Abiotic degradation depending on pH:

12.3.4 - Observations:

Data not available.

12.4 Accumulation:

12.4.1 - Test:

12.4.2 - Bioaccumulation:

Risk

12.4.3 - Observations:

Data not available.

12.5 Other possible effects on the environment:

Do not allow it to enter soils or water channels.

Do not allow it to enter the sewage system.

Reacts with water.

Risk of formation of explosive fumes on the surface of the water.

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.

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.

Information concerning transport

Overland (ADR):

Technical name: SODIUM HYDRIDE

UN 1427 Class: 4.3 Packaging group: I (E)

By sea (IMDG):

Technical name: SODIUM HYDRIDE

UN 1427 Class: 4.3 Packaging group: I

By air (ICAI-IATA):

Technical name: Sodium hydride

UN 1427 Class: 4.3 Packaging group: I

Packaging instructions: CAO 412 PAX P

Regulatory information

Other information

Other precautionary statements

P402+P404 Store in a dry place. Store in a closed container.

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

| | |
|------------|--|
| R-phrases: | R15 Contact with water liberates extremely flammable gases. |
| | S43c In case of fire, use dry chemical powder. Never use water. |
| S-phrases: | S24/25 Avoid contact with skin and eyes. |
| | S7/8 Keep container tightly closed and dry. |

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

Date published: 3.11.10

Review number and date: 3 3.11.10