



1783 Zinc *metal, powder

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

1.1 Identification of the substance or preparation

Name:

Zinc *metal, powder

Synonym:

REACH Registration Number: 01-2119467174-37-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) nº 1272/2008.

Flam. Sol. 1

Water-react. 1

Aquatic Acute 1

Aquatic Chronic 1

Hazard Pictograms



Signal word

Danger

Hazard statements

H228 Flammable solid.

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

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

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.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/.../ equipment.

P273 Avoid release to the environment.

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

N Dangerous for the environment	R50/53
F Highly flammable	R15
	R10

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

3. Component Composition/Information

Name: Zinc *metal, powder

Formula: Zn M.= 65,38 CAS [7440-66-6]

EC number (EINECS): 231-175-3

EC index number: 030-002-00-7

REACH Registration Number: 01-2119467174-37-XXXX

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.

4.3 Contact with the skin:

Wash with plenty of water.

4.4 Eyes:

Wash with plenty of water, keeping eyelids open.

4.5 Swallowing:

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

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

Dry powder, special for metals. Smother with dry earth or sand.

5.2 Fire-fighting means which must NOT be used:

Water.

5.3 Special risks:

Combustible. Keep away from sources of ignition. Risk of explosion of dust. Do not allow contact with organic matter. Risk of self-combustion.

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:

No special indications.

7.2 Storage:

Well sealed containers. Dry atmosphere. Away from sources of ignition and heat. Room temperature.

8. Staff exposure/protection controls

8.1 Technical protective measures:

No special indications.

8.2 Exposure limit control:

VLA-ED: 10 mg/m³ General powder limit.

8.3 Respiratory protection:

If dust forms, use suitable respiratory protection. Filter P.

8.4 Hand protection:

Use suitable gloves

8.5 Eye protection:

Use suitable goggles.

8.6 Individual hygiene measures:

Remove contaminated 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:

N/A

Granulometry: N/A

Odour: Odourless.

pH:

N/A

Melting point/freezing point: 419 °C

Initial boiling point and boiling range: 906 °C

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 Insoluble in water

Partition coefficient: n-octanol/water:

N/A

Auto-ignition temperature:

N/A

Decomposition temperature: N/A

Viscosity: N/A

10. Stability and reactivity

10.1 Conditions which should be avoided:

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

10.2 Matter which should be avoided:

Acids. Water. Air Azides. Sulphur. Benzene and by-products. Carbon disulphide. Chlorates. Ammoniacal compounds Halogens. Halogen halides. Hydrazine and derivatives. Halogenated hydrocarbons. Alkaline hydroxides. Hydroxylamine. Metals. Alkaline oxides.

10.3 Hazardous decomposition products:

No specific data.

10.4 Complementary information:

No specific data.

11. Toxicological information

11.1 Acute toxicity:

: Data not available.

11.2 Dangerous effects for health:

No specific data on this product known with regard to effects of overdose in humans. If dust inhaled: Irritations to the respiratory tracts. Due to absorption: fever muscular disorders alterations of the circulation nausea vomiting

12. Environmental information

12.1 Toxicity:

12.1.1 - EC50 test (mg/l):

Fish > 0,1 mg/l

Classification:

Extr. toxic

12.1.2. - Receptor medium:

Risk for the water environment

Medium

Risk for the land environment

Medium

12.1.3. - Observations:

The product reacts with water.

Following reaction, toxic effect on water organisms.

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.

14. Information concerning transport

Overland (ADR):

Technical name: ZINC POWDER or ZINC DUST

UN 1436 Class: 4.3 4.2 PELIG.M.AMB Packaging group: III (E)

By sea (IMDG):

Technical name: ZINC POWDER or ZINC DUST

UN 1436 Class: 4.3 4.2 PELIG.M.AMB Packaging group: III

By air (ICAI-IATA):

Technical name: Zinc dust

UN 1436 Class: 4.3 4.2 PELIG.M.AMB Packaging group: III

Packaging instructions: CAO 491 PAX 486

15. Regulatory information

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

16. Other information

Other precautionary statements

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.

P391 Collect spillage.

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

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): **R50/53** Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R15 Contact with water liberates extremely flammable gases.
R10 Flammable.

S-phrases(s): **S61** Avoid release to the environment. Refer to special instructions/safety data sheets.
S60 This material and its container must be disposed of as hazardous waste.
S46 If swallowed, seek medical advice immediately and show this container or label.
S43f In case of fire, use sand. Never use water.

Review number and date: 4 15.09.2011

Date published: 15.09.2011

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.