

Safety Data Sheet
According to Regulation (EC) 1907/2006



1266 Copper metal, powder

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

1.1 Identification of the substance or preparation

Name:

Copper metal, powder

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.

Flam. Sol. 2

Hazard Pictograms



Signal word

Warning

Hazard statements

H228 Flammable solid.

Precautionary statements

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

P240 Ground/bond container and receiving equipment.

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

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

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

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

F Highly flammable

R11

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

3. Component Composition/Information

Name: Copper metal, powder

Formula: Cu M.= 63,54 CAS [7440-50-8]

EC number (EINECS): 231-159-6

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.

4.4 Eyes:

Wash with plenty of water, keeping eyelids open.

4.5 Swallowing:

Drink large amounts of water. In the event of sickness, seek medical assistance.

5. Fire-fighting means

5.1 Suitable fire-extinguishing means:

Dry powder, special for metals.

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.

5.4 Protective equipment:

Self-contained breathing equipment.

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. Room temperature.

8. Staff exposure/protection controls

8.1 Technical protective measures:

No special indications.

8.2 Exposure limit control:

VLA-ED: 1 mg/m³ General powder limit.

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:

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: 1.083 °C
Initial boiling point and boiling range: 2.595 °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:

Data not available.

10.2 Matter which should be avoided:

Acetylene. Oxidant agents. Azides. Chlorates. Ammoniacal compounds Fluorine.
Halogen halides. Ethylene oxides. Alkaline oxides. Peroxides. (decomposition).
Picrates. Nitrides. Concentrated sulfuric acid. Chlorine.

10.3 Hazardous decomposition products:

No specific data.

10.4 Complementary information:

No specific data.

11. Toxicological information

11.1 Acute toxicity:

LD50 ipr mus : 3,5 mg/kg

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 mucosae coughing breathing difficulties
Inhaling large quantities of metal fumes can cause fever. Other dangerous characteristics are not discarded. Take the usual precautions for handling chemical products.

12. Environmental information

12.1 Toxicity:

Ecotoxic data not available.

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:

If suitable handling conditions are maintained, no ecological problems are to be anticipated.

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: METAL POWDER, FLAMMABLE, N.O.S.

UN 3089 Class: 4.1 Packaging group: III (E)

By sea (IMDG):

Technical name: METAL POWDER, FLAMMABLE, N.O.S.

UN 3089 Class: 4.1 Packaging group: III EMS F-G, S-G

By air (ICAI-IATA):

Technical name: Metal powder, flammable, n.o.s.

UN 3089 Class: 4.1 Packaging group: III

Packaging instructions: CAO 448 PAX 446

15. Regulatory information

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

16. Other information

Other precautionary statements

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

R-phrase(s): **R11** Highly flammable.

S-phrases(s): **S7** Keep container tightly closed.
S16 Keep away from sources of ignition - No smoking.

Review number and date: 4 8.2.11

Date published: 8.2.11

In respect of the previous review, changes have been made to the following sections: 2, 14

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.