



Safety Data Sheet

According to Regulation (EC) 1907/2006



1945 Magnesium *metal, filings

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

1.1 Identification of the substance or preparation

Name:

Magnesium *metal, filings

Synonym:

REACH Registration Number: 01-2119537203-49-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

Identification of dangers

Classification of the substance or the mixture.

Classification Regulation (CE) n° 1272/2008.

Flam. Sol. 1

Water-react. 2

Hazard Pictograms



Signal word

Danger

Hazard statements

H228 Flammable solid.

H261 In contact with water releases flammable gases.

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.

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

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

F Highly flammable
R15
R11

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

Component Composition/Information

Name: Magnesium *metal, filings

Formula: Mg M.= 24,31 CAS [7439-95-4]

EC number (EINECS): 231-104-6

EC index number: 012-002-00-9

REACH Registration Number: 01-2119537203-49-XXXX

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. Remove contaminated clothing.

4.4 Eyes:

Wash with plenty of water, keeping eyelids open. In the event of irritation, seek medical assistance.

4.5 Swallowing:

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

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. Foam.

5.3 Special risks:

Combustible. Keep away from sources of ignition. Risk of explosion of dust.

5.4 Protective equipment:

Suitable clothing and footwear.

Measures to be taken in the event of accidental spillage

6.1 Individual precautions:

No special indications.

6.2 Precautions for care of the environment:

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:

No special indications.

7.2 Storage:

Well sealed containers.Dry atmosphere.

Staff exposure/protection controls

8.1 Technical protective measures:

No special indications.

8.2 Exposure limit control:

: Data not available.

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.

Physical and chemical properties

Appearance: solid

Colour: Silvery white

Granulometry: N/A

Odour: Odourless.

pH:

N/A

Melting point/freezing point: 651 °C

Initial boiling point and boiling range: 1.107 °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

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. Alcohols. Alkaline solutions. Halogens. Halogenated hydrocarbons. Oxidant agents. Water.

10.3 Hazardous decomposition products:

No specific data.

10.4 Complementary information:

No specific data.

Toxicological information

- **Acute toxicity:**

: Data not available.

- **Dangerous effects for health:**

No dangerous characteristics are to be anticipated. Take the usual precautions for handling chemical products.

Environmental information

12.1 Toxicity:

12.1.1 - EC50 test (mg/l):

Fish (Mg) 100 mg/l

Classification: Highly toxic

12.1.2. - Receptor medium:

Risk for the water environment

Medium

Risk for the land environment

Low

12.1.3. - Observations:

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.

Hardly pollutant product.

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: MAGNESIUM or MAGNESIUM ALLOYS with more than 50% magnesium in pellets, turnings or ribbons

UN 1869 Class: 4.1 Packaging group: III (E)

By sea (IMDG):

Technical name: MAGNESIUM or MAGNESIUM ALLOYS with more than 50% magnesium in pellets, turnings or ribbons

UN 1869 Class: 4.1 Packaging group: III

By air (ICAI-IATA):

Technical name: Magnesium

UN 1869 Class: 4.1 Packaging group: III

Packaging instructions: CAO 448 PAX 446

Regulatory information

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

Other information

Other precautionary statements

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

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-phrase(s):	R15 Contact with water liberates extremely flammable gases. R11 Highly flammable.
S-phrase(s):	S43f In case of fire, use sand. Never use water. S7/8 Keep container tightly closed and dry.

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.