

SAFETY DATA SHEET

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

1.1 Product Identifier Magnesium Sulphate Solid

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses: At this time we do not have information on identified uses
Restrictions: At this time we do not have information on use restrictions

1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS

Telephone: +44 (0) 8712 229081 Fax: +44 (0) 8712 229083
E-mail: sales@cpc-chemicals.co.uk

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours) +44 (0) 1242 300271 (outside of office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

Classification according to EU Directives 67/548/EEC or 1999/45/EC

The product does not need to be labelled in accordance with EC directives or respective national laws.
This mixture is not classified as dangerous according to Directive 1999/45/EC

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

2.3 Other Hazards

No other information is available.

3. Composition/information on ingredients

3.1 Substances

Chemical nature: Powder

Chemical Name	Identification Numbers	Amount %
Magnesium sulfate heptahydrate	Cas No:	10034-99-8
	EC-No.	231-298-2
	REACH-Reg. No.	01-2119486789-11-xxxx
	C&L-No.	02-2119752885-24-0000
		>=99 - <99.5

4. First Aid measures

4.1 Description of first aid measures

- General Advice: Take off all contaminated clothing immediately.
- If Inhaled: Move to fresh air. If symptoms call a physician.
- In case of skin contact: Wash off immediately with soap and plenty of water
- In case of eye contact: Rinse immediately with plenty of water, also under eyelids for at least 15 minutes. Remove contact lenses. Consult an eye specialist immediately.
- If swallowed: Clean mouth with water and drink afterwards plenty of water

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms: See Section 11 for more detailed information
- Effects: See Section 11 for more detailed information

4.3 Indication of immediate medical attention and special treatment needed

- Treatment Treat symptomatically
No further information available

5. Fire fighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: No information available

5.2 Special hazards arising from the substance or mixture

Specific Hazards during fire: In case of fire hazardous decomposition products may be produced such as: Sulphur oxides

5.3 Advice for fire-fighters

Special protective equipment: Use personal protective equipment. In the event of fire and/or explosion do not breathe fumes.

Further Information: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Use personal protective equipment. Keep people away from and upwind of spill/leak. Avoid dust formation. Provide adequate ventilation

6.2 Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up: Use mechanical handling equipment. Dispose of in accordance with local regulations. Rinse with water

6.4 Reference to other sections

For personal protection see Section 8

7. Handling and storage**7.1 Precautions for safe handling**

Advice on safe handling:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with the skin and the eyes. Provide for good ventilation. Avoid dusting. Use mechanical ventilation at dusting

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities.

Storage areas and containers: No special storage conditions required

Advice on protection against fire and explosion:

No special precautions required. The product is not flammable

Further information:

Keep container tightly closed. Keep in a dry place.

German storage class

11 Combustible Solids

7.3 Specific end uses

No information available.

8. Exposure control/personal protection**8.1 Control parameters**

Component: Magnesium Sulphate Solid

CAS No: 10034-99-8

Contains no substances with occupational exposure limit values

8.2 Exposure controls

Engineering measures Refer to protective measures listed in sections 7 and 8

Personal protective equipment

Respiratory protection Dust Mask

Hand protection

Wear rubber protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

Eye protection

Wear safety goggles approved to standard EN 166. Provide eye station

Skin and body protection

Wear personal protective equipment

Environmental exposure controls

Do not flush into surface water or sanitary sewer systems

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form: Crystalline powder

Colour: Transparent white

Odour: Faint

pH @ 20°C: ca.8 (25°C)

Melting Point 770 ° C

Flammability (solid, gas) The product is not flammable

Density @ 20°C: 1.7 g/cm³

Water solubility: Completely soluble

Thermal decomposition: >700° C

9.2 Other InformationBulk Density ca. 980 kg/m³

10. Stability and reactivity

10.1 Reactivity	Stable under recommended storage conditions
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	not applicable
10.5 Incompatible materials	None known.
10.6 Hazardous decomposition products	No information available

11. Toxilogical Information**11.1 Information on toxilogical effects**

Sensitization:	No sensitizing effects known
Carcinogenic	Not expected to be carcinogenic
Mutagenic	Animal mutagenicity studies were predominantly negative
Teratogenicity	Did not show mutagenic or teratogenic effects in animal experiments
Reproductive toxicity	Animal testing did not show any effects on fertility.
Other relevant toxicity	Did not show teratogenic effects in animal experiments.

12. Ecological Information**12.1 Toxicity****Acute Toxicity**

Route	Species	Value	Units	Time	
LC50	Fish	28670	mg/l	24h	(Leuciscus idus melanotus) - (DIN 38412)
EC0	Daphnia	3480	mg/l	24h	(Daphnia magna (Water flea) - (DIN 38412)
EC50	Algae	5530	mg/l	72h	(Desmodesmus subspicatus (green algae);
EC50	Bacteria	172000	mg/l	0.5h	(Photobacterium phosphoreum) - (DIN 38412)

Information given is based on data obtained from similar substances.

12.2 Persistence and degradability

The methods for determining the biological degradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

The product is water soluble

12.5 Results of PBT and PvB

no data available

12.6 Other adverse effects

Disturbances in degradation activity of living sludge are not expected in the case of proper introduction of low concentration into adaptable biological sewage plants.

AOX

not applicable

General advice

Do not flush into surface water or sanitary sewer system

13. Disposal Considerations**13.1 Waste treatment methods**

Product:	Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Dispose of as special waste in compliance with local and national regulations. Contact manufacturer
Contaminated packaging:	In accordance with local and national regulations. Dispose of as unused product
European Waste Catalogue No:	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14. Transport Information

14.1 UN Number	Not dangerous goods for ADR, RID, IMDG and IATA.
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packaging Group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
IMDG:	Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

15.2 Chemical Safety Assessment

Currently we do not have any information from our supplier about this.

16. Other information

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

█ Indicates updated section