

MAGNESIUM SULPHATE HEPTAHYDRATE

Trade Name : Magnesium Sulphate Heptahydrate
 CAS No : 10034-99-8
 EC No : 231-298-2
 Index No : No data available
 Reach No : No data available
 Proper Shipping Name : No Data Available
 Other means of Identification : No Data Available

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses :
 Used in weighting cotton and silk; increasing the bleaching action of chlorinated lime; manufacture of mother of pearl and frosted papers; fire-proofing fabrics; dyeing and printing calicos; in fertilizers.
 Used in explosives, matches, mineral water, tanning leather and dietary supplements

Uses advised against : No data available

1.3 Details of the supplier of the safety data sheet

Registered company name : Gee Gee Kay Pvt Ltd
 Address : #96, Nelson Manickam Road, Aminjikarai,
 Chennai, Tamil Nadu 600 029.
 Telephone : +9144 2374 3435 / 39

1.4 Emergency telephone number : +91 44 2374 2600 / 2700

Section 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLP classification : Not classified as hazardous according to CLP
 DSD Classification : Not classified as hazardous according to DSD

2.2 Label elements

CLP label : Not applicable
 DPD label : Not applicable

2.3 Other hazards : No data available

Section 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

Hazardous ingredients	CAS No.	EC No.	Index No.	REACH No.	% wt/wt
Magnesium sulphate, heptahydrate	10034-99-8	231-298-2	-	-	>95

Section

4

FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation : Move victim to fresh air. If not breathing give artificial respiration. Get medical attention.

Skin contact : Immediately wash with plenty of soap and water. Get medical attention if irritation occurs.

Eye contact : Immediately flush eyes with running water for at least 20 minutes holding eyelids open.

Get medical attention.

Ingestion : Do not induce vomiting. Give 1-2 glasses water to a conscious victim. Never give anything by mouth to an unconscious victim. Get medical attention.

Advice for doctor : Symptomatic treatment

4.2 Most important symptoms and effects, both acute and delayed. No data available.

4.3 Indication of any immediate medical attention and special treatment need

No data available

Section

5

FIREFIGHTING MEASURES

5.1 Extinguishing media

There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.

5.2 Special hazards arising from the substance or mixture

Fire/explosion hazard: not considered a significant fire risk

Main combustion gas: sulphur oxide (SO_x), metal oxide.

5.3 Advice for firefighters

Wear breathing apparatus plus protective gloves for fire only.

Prevent by any means available, spillage from entering drains or water courses.

Use firefighting procedures suitable for surrounding area.

DO NOT approach containers suspected to be hot.

Cool fire exposed containers with water spray from a protected location.

If safe to do so, remove containers from path of fire.

Equipment should be thoroughly decontaminated after use.

Section

6

ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, protective equipment and emergency procedures

Wearing suitable protective equipment, removal ignition sources and provision of sufficient ventilation, evacuate the danger area and consult experts.

6.2 Environmental precautions

Take precautions to prevent entry into waterways, sewers, or surface drainage system. Disposal according to local or international regulations.

6.3 Methods and Material for containment and cleaning up

Use appropriate tools to put the spilled solid in suitable container for recovery or disposal, avoid raising dust.

6.4 Reference to other sections

Personal protective equipment advice is contained in section 8 of MSDS

Section

7

HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid ingestion, inhalation, skin and eye contact. Minimize dust generation and accumulation. Handle in accordance with good industrial hygiene practice and any legal requirements.

7.2 Conditions for safe storage, including any incompatibilities

Suitable container: Glass container is suitable for laboratory quantities. Polyethylene or Polypropylene container. Check all containers are clearly labelled and free from leaks.

Storage incompatibility: Metals and their oxides or salts may react violently with chlorine trifluoride and bromine trifluoride.

Storage : store in cool dry area protected from environmental extremes, keep containers securely sealed.

7.3 specific end use(s)

See section 1.2

Section

8

Exposure controls/personal protection

8.1 Control parameters

At this time no TLV has been established even though this material may produce adverse health effects (as evidence in animal experiments or clinical experience). Airborne concentrations must be maintained as low as is practically possible and occupational exposure must be kept to minimum.

8.2 Exposure controls

Appropriate engineering controls Use: process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

General personal protection: Goggles, gloves, protective clothing.

Section

9

PHYSICAL & CHEMICAL PROPERTIES

9.1 information on basic physical & chemical properties

Appearance	:	Colourless solid
Odour	:	Almost odourless
Odour Threshold	:	No data available
pH	:	7 ± 0.5 (1% solution)
Melting point/ freezing point	:	150oC
Initial boiling point and boiling range	:	200oC
Flash point	:	Not applicable
Evaporation rate	:	Not applicable
Flammability (solid, gas)	:	No data available
Upper/ Lower flammability or exposure limits	:	No data available
Vapour pressure	:	Not applicable
Vapour density	:	Not applicable
Relative density	:	No data available
Solubility (ies)	:	70g / 100cc (20oC), 91g / 100cc (40oC)
Partition coefficient : n-octanol / water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	Not applicable
Explosive properties	:	No data available
Oxidising properties	:	No data available
9.2 Other information	:	No data available

Section

10

STABILITY & REACTIVITY

10.1 Reactivity

See section 7.2

10.2 Chemical stability

Stable under normal temperature and pressures.

10.3 Possibility of hazardous reactions

See section 7.2

10.4 Conditions to avoid

Strong acids, alkalis and oxidising agents

10.5 Incompatible materials

See section 7.2

10.6 Hazardous decomposition products

Thermal decomposition products – sulphur oxides (SO_x), metal oxides

Continue ...

Section 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	:	TDLo (man, oral) : 183 mg/kg/4h-I LDLo (mouse, oral) : 5000 mg/kg bw
Corrosive/irritation	:	Skin : Not irritating Eyes : Not irritating
Respiratory/skin sensitization	:	Respiratory : No data available Skin : Not sensitizing
Repeated dose toxicity	:	No data available
Germ cell mutagenicity	:	No data available
Carcinogenicity	:	No data available, Not listed by ACGIH, IARC, NIOSH, NTP or OSHA
Reproductive toxicity	:	No data available
Aspiration hazard	:	No data available
Additional information	:	Not data available

Section 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Fish LC50 (<i>Gambusia affinis</i> , 24 hours)	:	15500mg/l
Crustacea EC50 (<i>Daphnia magna</i>)	:	1700 mg/l
Algae EC50 (<i>Scenedesmus subspicatus</i>)	:	2700 mg/l

12.2 Persistence & degradability : No data available

12.3 Bioaccumulative potential : No data available

12.4 Mobility in soil : No data available

12.5 Results of PBT and vPvB assessment : No data available

12.6 Other adverse effects : No data available

Section 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product disposal	:	observe specific national regulation
Contaminated packaging	:	Contaminated empty containers must be disposed of as chemical waste

Section 14 TRANSPORT INFORMATION

Domestic transport (RID/ADR)	:	free
Sea transport (IMDG)	:	free
Air transport (ICAO/IATA)	:	free

Section 15

REGULATORY INFORMATION

15.1 Safety health & environmental regulations / legislation specific for the substance or mixture
Classification and labeling according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use :

Labelling in accordance with EC directives	:	no symbol required
Risk phrases	:	Not classified
Safety phrases	:	
S02	:	Keep out of reach of children
S03/07	:	Keep container tightly closed in a cool place
S08	:	Keep container dry.
Classification & labeling according to EU Regulation (EC) 1272/2008 (CLP Regulation) and Globally Harmonized System (GHS)	:	
Signal word	:	Not required
Hazards Statements	:	Not classified Precautionary Statements
P102	:	Keep out of reach of children
P233	:	Keep container tightly closed
P235	:	Keep cool

National Paint & Coating Hazardous Materials Identification System – HMIS (R):

1 Health Hazard Rating – Slight / 0 Flammability Rating – Minimal / 0 Instability Rating – Minimal

A Personal Protection: This safety data sheet is in compliance with the following EU legislation and its adaptations – as far as applicable:- 67/548/EEC, 1999/45/EC, 76/769/EEC, 98/24/EC, 92/85/EEC, 94/33/EC, 91/689/EEC, 1999/13/EC, 1907/2006, 1272/2008

15.2 Chemical safety assessment : No data available

Section 16

OTHER INFORMATION

Full text of R-phrases referred to in section 2 and 3	:	N/A
Full text of Hazards Statements referred to in sections 2 and 3	:	N/A
Training advice	:	Before using/handling the product one must read carefully present MSDS
Recommended restriction	:	N/A
Key legend information	:	
ACGIH	:	American conference of Governmental Industrial Hygienists
OSHA	:	Occupational Safety and Health Administration
NTP	:	National Toxicology program
IARC	:	International Agency for Research on Cancer
ND	:	Not Determined
N/A	:	Not Available
R-phrases	:	Risk phrases
S-phrases	:	Safety phrases

This product should be stored handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. This information contained herein is based on the present state of our knowledge and is intended to describe our product from the point of view of safety requirements. It should not therefore be construed a guaranteeing specific properties. Many factors determine whether the reported hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposure Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.



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