

Safety Data Sheet

According to REACH Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 with amendments



Magnesium Sulphate Horticultural Grade

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade Name:	Van Iperen Magnesium Sulphate Horticultural Grade
CASNo:	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

Van Iperen International BV
Smidsweg 24
3273 LK Westmaas - Nederland
T +31 (0) 186 578 888 - F +31 (0) 186 573 452
info@iperen.com - www.vaniperen.com

1.4. Emergency telephone number

In case of emergency contact the national emergency telephone number: UK and Ireland: 112 or 999

Country	Official advisory body	Address	Emergency number
Ireland (Republic of)	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241

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. Substances

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.

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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 maybe 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 in 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 and 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	150°C
Initial boiling point and boiling range	200°C
Flash point	Not applicable
Evaporation rate	Not applicable

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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 l 100cc (20°C), 91g/100cc (40°C)
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 and 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, alkalies and oxidising agents

10.5 Incompatible materials

See section 7.2

10.6 Hazardous decomposition products

Thermal decomposition products - sulphur oxides (SOx), metal oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	TDLo (man, oral) : 183 mg/kg/4h-l 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	Not data available
Additional information	No data available

SECTION 12: Ecological information

12.1 Toxicity

Fish LCSO (Gambusia affinis, 24 hours)	15500mg/l
Crustacea ECSO (Daphnia magna)	1700 mg/l
Algae ECSO (Scenedesmus subspicatus)	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

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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 I legislation specific for the substance or mixture Classification and labeling according to EU Directives 67/548/EEC and 7999/45/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

PI 02 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.

Company disclaimer

The information provided in this safety data sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.