

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

- 1.1 Product identifier:**
Commercial product name: Marmogel
Duplicating material agar-agar-based
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Use of the substance/mixture: Health services.
- 1.3 Details of the supplier of the safety data sheet**
Manufacturer/Supplier: SILADENT Dr. Böhme & Schöps GmbH
Street / mailbox: Im Klei 26
Country code. / postal code / city: D - 38644 Goslar
Phone: Tel.: +49 (0) 53 21 / 37 79 – 0
Fax: Fax: +49 (0) 53 21 / 38 96 32
E-mail / Website: info@siladent.de - www.siladent.de
Further information obtainable from: SILADENT Dr. Böhme & Schöps GmbH
- 1.4 Emergency telephone number**
SILADENT Dr. Böhme & Schöps GmbH: +49 (0) 53 21 / 37 79 - 0 (Mon-Fri. 8 a.m. - 4 p.m.)

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture:** No risks worthy of mention.
Regulation (EC) No. 1272/2008: This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008. No risks worthy of mention.
- 2.2 Label elements:** -
- 2.3 Other hazards:** No information available.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures**
Chemical characterization: Mixture of polyvalent alcoholics, agar-agar and water

SECTION 4: First aid measures

- 4.1 Description of first aid measures**
After inhalation: Provide fresh air.
After contact with skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. After contact with molten product, cool skin area rapidly with cold water
After contact with eyes: Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.
After ingestion: Rinse mouth immediately and drink plenty of water.
- 4.2 Most important symptoms and effects, both acute and delayed:** No information available.
- 4.3 Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

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SECTION 5: Firefighting measures

- 5.1 Extinguishing media**
Suitable extinguishing media: Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.
- 5.2 Special hazards arising from the substance or mixture:** Non-flammable.
- 5.3 Advice for firefighters:** In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures** Avoid dust formation. Do not breathe dust.
- 6.2 Environmental precautions:** No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.
- 6.3 Methods and material for containment and cleaning up:** Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.
- 6.4 Reference to other sections:** Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
Advice on safe handling: No special measures are necessary.
- Advice on protection against fire and explosion:** No special fire protection measures are necessary.
- 7.2 Conditions for safe storage, including any incompatibilities**
Requirements for storage rooms and vessels: Keep container tightly closed.
- Advice on storage compatibility:** No special measures are necessary.
- Further information on storage conditions:** Keep container tightly closed.
- 7.3 Specific end use(s):** Health services.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters**
8.2 Exposure controls



- Protective and hygiene measures:** Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.
- Eye/face protection:** Wear eye protection/face protection.

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Hand protection:	When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
Skin protection:	Wear suitable protective clothing.
Respiratory protection:	In case of inadequate ventilation wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	solid (20°C)
Colour:	green
Odour:	odourless
pH-Value (at 50 °C):	Test method 7
Changes in the physical state	
Melting point:	90 °C
Initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not applicable
Sustaining combustion:	No data available

Flammability

Solid:	not determined
Gas:	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

Auto-ignition temperature

Solid:	not determined
Gas:	not applicable
Decomposition temperature:	not determined
Oxidizing properties:	Not oxidising.
Vapour pressure:	not determined
Density:	1,05 g/cm ³
Bulk density:	not determined
Water solubility:	miscible

(at 90 °C)

Solubility in other solvents:	not determined
Partition coefficient:	not determined
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Vapour density:	not determined
Evaporation rate:	not determined

9.2 Other information

Solid content:	not determined
Solidification point:	40°C

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SECTION 10: Stability and reactivity

10.1 Reactivity:	No hazardous reaction when handled and stored according to provisions.
10.2 Chemical stability:	The product is stable under storage at normal ambient temperatures.
10.3 Possibility of hazardous reactions:	No risks worthy of mention.
10.4 Conditions to avoid:	none
10.5 Incompatible materials:	No information available.
10.6 Hazardous decomposition products:	No known hazardous decomposition products.
Further information	
Thermal decomposition:	none

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute toxicity:	Acute toxicity (oral): Rat. > 5000 mg/kg.
Irritation and corrosivity:	Irritant effect on the skin: Not an irritant. Irritant effect on the eye: Not an irritant.
Sensitising effects:	No danger of sensitization.
Additional information on tests:	The mixture is classified as not hazardous according to Directive 1999/45/EC.

SECTION 12: Ecological information

12.1 Toxicity:	The product is not: Ecotoxic.
12.2 Persistence and degradability:	Product is biodegradable.
12.3 Bioaccumulative potential:	The product has not been tested.
12.4 Mobility in soil:	The product has not been tested.
12.5 Results of PBT and vPvB assessment:	The product has not been tested.
12.6 Other adverse effects:	No information available.
Further information:	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Advice on disposal:	Dispose of waste according to applicable legislation. May be disposed of in household waste landfill.
Waste disposal number of used product:	
200301	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; other municipal wastes; mixed municipal waste
Contaminated packaging:	Wash with plenty of water. Completely emptied packages can be recycled.

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SECTION 14: Transport information

No dangerous good.

14.6 Special precautions for user:

No information available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:

not applicable

Other applicable information:

Not a hazardous material with respect to transportation regulations.

SECTION 15: Regulatory information

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

EU regulatory information

Additional information:

According to EC directives or the corresponding national regulations the product does not have to be labelled.

National regulatory information

Water contaminating class (D):

- - not water contaminating

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes:

This data sheet contains changes from the previous version in section(s): 2,4,5,6,7,8,9,10,11,12,13,14,15,16.

Abbreviations and acronyms

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service
- LC50: Lethal concentration, 50%
- LD50: Lethal dose, 50%

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. (The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)