

**Marmogel**

**1. Identification of the Substance / Preparation and Company:**

- 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](mailto:info@siladent.de) - [www.siladent.de](http://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.)

**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.

**3. Composition / Information on Ingredients:**

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

**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.

**5. Fire Fighting 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.

**6. Accidental release measures:**

- 6.1 Personal precautions, protective equipment and emergency procedures  
Avoid dust formation. Do not breathe dust.

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- 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

**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.

**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.
- 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.

**9. Physical and chemical properties:**

- 9.1 Information on basic physical and chemical properties
  - Physical state: solid (20°C)
  - Colour: green
  - Odour: odourless
  - Test method: 7
  - pH-Value (at 50 °C): 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

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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 <sup>3</sup>
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

**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

**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.

**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.

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**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.

**14. Transport Information:**

- 14.6 Special precautions for user: No dangerous good.  
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: No information available.  
Other applicable information: not applicable  
Not a hazardous material with respect to transportation regulations.

**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.

**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.)