

EG-MATERIAL SAFETY DATA SHEET

according to (EC) No 1907/2006



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print date: 02.06.2023

Revision date: 12.04.2023

Revision No: 1,2 - Replaces version: 1,1

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

- 1.1 Product identifier:**
Commercial product name: Hinrigel
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: ERNST HINRICHS Dental GmbH
Street / mailbox: Borsigstr. 1
Country code. / postal code / city: D - 38644 Goslar
Phone: 0 53 21 / 5 06 24
Fax: 0 53 21 / 5 08 81
E-mail / Website: info@hinrichs-dental.de / www.hinrichs-dental.de
Further information obtainable from: ERNST HINRICHS Dental GmbH
- 1.4 Emergency telephone number**
ERNST HINRICHS Dental GmbH: +49 (0) 53 21 / 5 06 24 (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 risks worthy of mention.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures**
Hazardous components: none (according to Regulation (EC) No 1907/2006 (REACH))

SECTION 4: First aid measures

- 4.1 Description of first aid measures**
After inhalation: Provide fresh air. Get medical help if you feel unwell.
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.
- 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.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media**

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- 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:** No risks worthy of mention.
- 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** No risks worthy of mention.
- 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**
For cleaning up: Take up mechanically, placing in appropriate containers for disposal. 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.
- Advice on general occupational hygiene:** Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.
- 7.2 Conditions for safe storage, including any incompatibilities**
Requirements for storage rooms and vessels: Keep container tightly closed.
- Hints on joint storage:** No special measures are necessary.
- 7.3 Specific end use(s):** Health services.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters**
- 8.2 Exposure controls**



Individual protection measures, such as personal protective equipment

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.
Thermal hazards:	No special measures are necessary.
Environmental exposure controls:	No special measures are necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	solid (20°C)
Colour:	green
Odour:	odourless
Changes in the physical state	
Melting point/freezing point:	90 °C
Boiling point or initial boiling point and boiling range:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not applicable
Flammability	
Solid/liquid:	not determined
Gas:	not applicable
Explosive properties:	
Lower explosion limits:	The product is not: Explosive.
Upper explosion limits:	not determined
Auto-ignition temperature:	not determined
Self-ignition temperature	
Solid:	not determined
Gas:	not applicable
Decomposition temperature:	not determined
pH-Value (at 50 °C):	7
Viscosity / dynamic:	not determined
Viscosity / kinematic:	not determined
Flow time:	not determined
Water solubility: (at 90 °C)	miscible
Solubility in other solvents:	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	1,1 g/cm ³
Bulk density:	not determined
Relative vapour density:	not determined

9.2 Other information

Sustaining combustion:	No data available
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Oxidizing properties:	Not oxidising.
Solid content:	not determined
Evaporation rate:	not determined
Further Information:	Solidification point: 40°C

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:	Based on available data, the classification criteria are not met. Acute toxicity (oral): Rat. > 5000 mg/kg
Irritation and corrosivity:	Based on available data, the classification criteria are not met. Irritant effect on the skin: Not an irritant. Irritant effect on the eye: Not an irritant.
Sensitising effects:	Based on available data, the classification criteria are not met. no danger of sensitization.
Carcinogenic/mutagenic/toxic effects for reproduction:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.
11.2 Information on other hazards	
Endocrine disrupting properties:	This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.
Further information:	The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information

12.1 Toxicity:	The product is not: Ecotoxic.
12.2 Persistence and degradability:	Product is biodegradable.

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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 substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. The product has not been tested.
12.6 Endocrine disrupting properties:	This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.
12.7 Other adverse effects:	No information available.
Further information:	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Disposal recommendations:	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:	Non-contaminated packages may be recycled.

SECTION 14: Transport information

	No dangerous good.
Land transport (ADR/RID)	
14.1 UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.
Inland waterways transport (ADN)	
14.1 UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.
Marine transport (IMDG)	
14.1 UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.
Air transport (ICAO-TI/IATA-DGR)	
14.1 UN number or ID number:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.
14.5 Environmental hazards	
ENVIRONMENTALLY HAZARDOUS:	No

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- 14.6 Special precautions for user:** No information available.
- 14.7 Maritime transport in bulk according to IMO instruments:** 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:

For this product, a hazard label is not required according to section 1.3.4 of Annex I of the CLP regulation.

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 above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)