



Print date 06.08.2007

Safety Data Sheet according to Regulation (EC) No 1907/2006

gebdi Dentalproducts GmbH

Revision date: 07.09.2017 Revision No: 1,1

Page 1 of 7

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

1.1 Product identifier: Special applications

Dubliergel Duplicating material agar-agar-based
Art. No. 10006

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

Company name: gebdi Dentalproducts GmbH
Street: Industriestrasse 3b
Place: D-78234 Engen
Telephone: +49 7733-9410-16
Telefax: +49 7733-6434
Responsible for the safety data sheet: info@gebdi-dental.com

1.4. Emergency telephone number: +49 7733-9410-16 (Mo-Do 8:00 - 16:30, Fr 8:00 - 15:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

No risks worthy mention

2.2. Label elements

Additional advice on labelling

The product does not require a hazard warning label in accordance with EC directives.

2.3. Other hazards According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a

PBT / vPvB substance.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of polyvalent alcoholics, agar-agar and water

Hazardous components: not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

General Information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove contaminated soaked clothing immediately. Keep warm and calm injured person. Take away from danger area and lay down affected person.



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gebdi Dentalproducts GmbH

Revision date: 07.09.2017 Revision No: 1,1

Page 2 of 7

After Inhalation

Provide fresh air

After contact with skin

Wash off with soap and plenty of water. After contact with molten product, cool skin area rapidly with cold water. Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical treatment by eye specialist.

After ingestion

Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. Summon a doctor immediately. Do not give neutralising liquids.

4.2. Most important symptoms and effects, both acute and delayed

Health injuries are not known or expected under normal use.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate firefighting measures to the fire surroundings. The product itself does not burn

Full water jet

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

Additional information

Cool containers at risk with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In case of vapour formation use respirator. Ensure adequate ventilation. Use personal protective clothing. Get unprotected persons to safety. Keep away from heat and sources of ignition. Avoid contact with the skin and the eyes. Do not inhale vapour/aerosol.

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 and collect in suitable container for disposal.

6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8).

Information for disposal see section 13.



Print date 06.08.2007

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gebdi Dentalproducts GmbH

Revision date: 07.09.2017 Revision No: 1,1

Page 3 of 7

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Do not keep containers unlocked. Handle in accordance with the general hygienic rules. When using do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Contaminated work clothing should not be allowed out of the workplace.

Advice on protection against fire and explosion

No special protective measures are necessary

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

No special precautions required. 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



Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over the use of personal protective equipment. Ensure adequate ventilation. Provide sufficient air exchange and/or exhaust in work rooms.

Protective and hygiene measures

Avoid contact with eyes and skin. Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Take off immediately all contaminated clothing.

Eye/face protection

Tightly fitting goggles (EN 166). Eye wash bottle with pure water (EN 15154).

Hand protection

Protective gloves resistant to chemicals made off butyl, minimum coat thickness 0,7 mm, permeation resistance (wear duration) > 240 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions. Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Skin protection

Long sleeved clothing (EN 368).

Respiratory protection

In case of inadequate ventilation wear respiratory protection

Environmental exposure controls

Do not empty into drains



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Revision date: 07.09.2017 Revision No: 1,1

Page 4 of 7

SECTION 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
pH-Value (at 50°C):	7

Changes in the physical state

Melting point:	90°C
Initial boiling point and boiling range:	n.d.
Softening point:	n.d.
Drop point:	n.d.
Flash point:	not applicable
Flammability Solid:	n.d.
Explosive properties	The product is not explosive.
Lower explosion limits:	n.d.
Upper explosion limits:	n.d.
Ignition temperature:	n.d.
Auto-ignition temperature Solid:	n.d.
Oxidizing properties:	n.d.
Vapour pressure:	n.d.
Density (at 20 °C):	1,05 g/cm ³
Water solubility(at 90°C)	miscible
Solubility in other solvents	n.d.
Viscosity / dynamic: (at 20 °C)	n.d.
Viscosity / kinematic:	n.d.
Flow time:	n.d.
Vapour density:	n.d.
Solidification point:	40°C

9.2. Other information

Other information

(n.a. = not applicable; n.d. = not determined)

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions

10.2. Chemical stability

Chemically stable.

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



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Revision date: 07.09.2017 Revision No: 1,1

Page 5 of 7

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Conclusion by analogy (QSAR):

LD50/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

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests:

The mixture is classified as not hazardous according to Directive 1999/45/EC

SECTION 12: Ecological information

12.1. Toxicity

Product is not Ecotoxic

12.2. Persistence and degradability

Product is biodegradable

12.3. Bioaccumulative potential

Not been tested

12.4. Mobility in soil

Not been tested

12.5. Results of PBT and vPvB assessment

Not been tested

12.6. Other adverse effects

No information available

Further information: Avoid release to the environment



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Revision date: 07.09.2017 Revision No: 1,1

Page 6 of 7

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 an 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.

SECTION 14: Transport information

Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO); Inland waterways transport (ADN)

14.1. UN number:

Not applicable. No hazardous material as defined by the transport regulations.

14.2. UN proper shipping name:

Not applicable. No hazardous material as defined by the transport regulations.

14.3. Transport hazard class(es):

Not applicable. No hazardous material as defined by the transport regulations.

14.4. Packing group:

Not applicable. No hazardous material as defined by the transport regulations.

14.5. Environmental hazards

Not applicable. No hazardous material as defined by the transport regulations.

14.6. Special precautions for user

Not applicable. No hazardous material as defined by the transport regulations.

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

Not applicable. No hazardous material as defined by the transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture EU regulatory information

2004/42/EC (VOC): 0 %

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.



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gebdi Dentalproducts GmbH

Revision date: 07.09.2017 Revision No: 1,1

Page 7 of 7

SECTION 16: Other information

Abbreviations and acronyms

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization
MARPOL = International Convention for the Prevention of Pollution from Ships
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals
CAS = Chemical Abstract Service

EN = European norm
ISO = International Organization for Standardization
DIN = Deutsche Industrie Norm
PBT = Persistent Bioaccumulative and Toxic
LD = Lethal dose
LC = Lethal concentration
EC = Effect concentration
IC = Median immobilisation concentration or median inhibitory concentration

Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)

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