

Product: Guttapercha

Date of issue: 2007-05-31

Version 01

EC Safety Data Sheet 1907/2006/EC Guttapercha in Bars

1. Commercial product name and supplier

Commercial product name: Guttapercha in Bars
Application: Dental filling material
Manufacturer: Favodent Karl Huber GmbH
Greschbachstr.17
D-76229 Karlsruhe, Germany
Tel.: +49 (0)721 / 62686-0 Fax: +49 (0)721 / 62686-66
E-Mail: info@favodent.com
Emergency phone number: Ms Apoth. Wolf, phone number: +49 (0)179 / 5146888

2. Hazard identification

N Dangerous for the environment
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU"
Risk phrases:
R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
Classification system:
This product requires classification according to the criteria of the EC and extended by company and literature data.

3. Composition

Chemical characterisation: Zinc oxide with waxes

Hazardous components:

<u>Declaration:</u>	<u>CAS-No.</u>	<u>EINECS-No.</u>	<u>Label</u>	<u>R-Phrases</u>	<u>Weight %</u>
Zinc oxide	1314-13-2	215-222-5	N	50/53	80-90

4. First aid measures

Eye contact:

Void.

Skin contact:

Void

Ingestion:

After Ingestion call a physician immediately and show packaging or label.

Inhalation:

Void.

After swallowing:

Void

Further information:

None

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5. Fire-fighting measures

Suitable extinguishing media:

Foam, powder, carbon dioxide, water fog
extinguishing media to avoid:

-

Further information:

No special measures required

6. Accidental release measures

Personal precautions:

Not required.

Environmental precautions:

Do not allow to enter drains/surface waters/groundwater. Inform respective authorities in case of seepage into water

Methods for cleaning up / taking up:

Pick up mechanically

7. Handling and storage

Handling:

Product is intended for dental use only.

Industrial hygiene:

Usual hygienic measures are necessary. When using, do not drink, eat or smoke.

Storage:

Store only in the original receptacles.

Place of storage:

Store in a cool and dry place in well sealed receptacles.

8. Exposure controls / personal protection

Technical equipment:

No further data.

Control of threshold limits MAK (TRGS 900):

CAS-No.:

1314-13-5 Zinc oxide 2 mg/m³ as TWA ACGIH 2004

Peak limitation category 1(II) (DFG 2003)

Respiratory protection:

Not required.

Hand protection:

Gloves, exact material has to be observed

Eye protection:

Not required.

Other:

Wash hand before breaks and the end of the work. Don't eat, drink or smoke.

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9. Physical and Chemical Properties

<u>Appearance:</u>	Solid in bars
<u>Colour:</u>	white
<u>Odour:</u>	odourless
<u>Boiling point:</u>	undetermined
<u>Melting range:</u>	65 °C
<u>Ignition temperature:</u>	Product is not self igniting
<u>Flashpoint:</u>	not applicable
<u>Explosion limits:</u>	not explosive
<u>Vapour pressure:</u>	not applicable
<u>Density:</u>	2,65 g/cm ³ at 25°C
<u>pH-Value:</u>	not applicable
<u>Solubility in water:</u>	not soluble

10. Stability and reactivity

<u>Thermal decomposition:</u>	No decomposition if used according to the specifications.
<u>Hazardous decomposition:</u>	No dangerous decomposition products known.
<u>Hazardous reactions:</u>	No dangerous reaction known.
<u>Further information:</u>	-

11. Toxicological information

<u>Acute toxicity:</u>	No acute toxic effect.
<u>After eye contact:</u>	Not irritant.
<u>After skin contact:</u>	Not irritant.
<u>After inhalation:</u>	-
<u>Sensitization:</u>	Not sensitizing.
<u>Additional information:</u>	When used and handled according to specification, the product does not have any harmful effects to our experience and the information provided to us.

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12. Ecological information

Information about elimination (persistence and degradation)

No degradation data available.

Aquatic toxicity:

Very toxic to fish

Very toxic for aquatic organism, hazardous for water, also poisonous for fish plankton in water bodies

Further ecological information:

Do not allow to enter drains/surface water / groundwater.

German „Wassergefährdungsklasse“ WGK 2.

13. Disposal considerations

Waste (product):

_Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Not cleaned packaging:

Disposal must be according to official regulations.

14. Transport information

Transport at land (GGVS/GGVE)

GGVS/E Class: 9 (M7) Miscellaneous dangerous substances

Kemler: 90

UN-No: 3077

Packing group: III

Overland statement:

Technical Name: Aerosols, flammable

Hazard label: 9

Technical Name: Environmentally Hazardous Substance, Solid, n.o.s.,
(Zinc oxide)

Transport at sea (IMDG/GGVSee):

IMDG/GGVSee-Class: 9

Label: 9

IMDG-Code page:

UN-No: 3077

EMS-Number: F-A, S-F

Packing group: III

Marine pollutant: yes

Technical Name: Environmentally Hazardous Substance, Solid, n.o.s.,
(Zinc oxide)

Air transport (ICAO-TI and IATA-DGR):

ICAO/IATA-Class: 9

UN/ID-No: 3077

Label: 9

Packing group: III

Technical Name: Environmentally Hazardous Substance, Solid, n.o.s.,
Zinc oxide)

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15. Regulatory information

This product requires classification according to the criteria of the EC and the „Gefahrstoffverordnung“

Hazard designation:



N Dangerous for the environment

Risk phrases:

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrases:

S 57 Use appropriate container to avoid environmental contamination

S 60-61 This material and its container must be disposed of as hazardous waste

Water hazard class: Water hazard class 2 (self assessment)

16. Other information

The above mentioned date corresponds to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties