



Material Safety Data Sheet

- Gutta percha points and bars - METABIOMED CO., LTD.

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : Gutta percha points and bars

Product code : D1GN203, D1GC

1.2. Relevant identified uses of the substance or mixture and uses advised against

Permanent filling material for root canals treatment, Use only professional dentist

1.3. Details of the supplier of the safety data sheet

Registered company name : META BIOMED CO., LTD.

Address : Head Office & Osong Factory) 270, Osongsaengmyeong1-ro, Osong-eup, Heungdeok-gu,
Cheongju-si, Chungcheongbuk-do, Korea

Telephone : (82-43) 216-0433, 0434

Fax : (82-43) 216-0438

e-mail : info@meta-biomed.com

Manufacturer : META BIOMED CO., LTD.

1.4. Emergency telephone number

(82-43) 216-0433, 0434

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation, Category 1(Skin Irrit 1, H315)

Eye irritation, Category 1(Eye Irrit 1, H319)

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

* GHS label elements including precautionary statements

- Hazard Pictograms



GHS07

- Signal word : Warning

- Hazard statement(s) : H315 Causes skin irritation
H319 Causes serious eye irritation

- Precautionary Statement(s) : P264 Wash thoroughly after handling
P272 Contaminated work clothing must not be allowed out of the



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workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

- Response : P302 IF ON SKIN: Wash with plenty of soap and water
P305 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
P332 If skin irritation occurs: Get medical advice/attention
P337 If eye irritation persists: Get medical advice/attention
P363 Wash contaminated clothing before reuse
- Disposal : P501 Dispose of contents/container according to the related regulations

2.3. Other hazards (according to the NFPA Rating System)

- Health : 1
- Flammability : 0
- Reactivity : 0

3. Composition/information on ingredients

3.1. Substances

Chemical Name	CAS No.	EC No.	Wt.%	Classification according to Directive 67/548/EEC	Classification according to Regulation(EC) No 1272/2008[CLP]
Gutta-percha (Trans-1,4,-polyisoprene)	9003-31-0	-	15~25	-	-
Zinc Oxide	1314-13-2	215-222-5	55~65	;H410 N, R50/53	Aquatic Acute 1: Aquatic Chronic 1
Barium Sulfate	7727-43-7	231-784-4	10~15	-	-
Calcium Carbonate	471-34-1	217-439-9-	<5	-	-

3.2. Mixtures

Chemical Name	CAS No.	EC No.	Wt.%	Classification according to Directive 67/548/EEC	Classification according to Regulation(EC) No 1272/2008[CLP]
Gutta-percha Points and bars	-	-	100	-	-



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4. First aids measures

4.1. Description of first aid measures

- Eyes : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Skin : Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.
- Inhalation : Remove person to fresh air. If you feel unwell, get medical attention.
- Ingestion : Rinse mouth. If you feel unwell, get medical attention.

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

- Eyes : N/A
- Skin : N/A
- Inhalation : N/A
- Ingestion : N/A

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

No further relevant information available

5. Firefighting measures

5.1. Extinguishing media

- Extinguishing media : Water, Foam, Carbon Dioxide, Dry Chemical

5.2. Special hazards arising from the substance or mixture

- Hazardous combustion products : Carbon Monoxide, Carbon Dioxide, Hydrocarbons and Zinc fumes
- Explosion hazards : Not Determined
- Fire explosion : Not Determined
- Sensitive to static discharge : Not Determined
- Sensitivity to impact : Not Determined

5.3. Advice for firefighters

- Firefighting procedures : General: Evacuate all personnel; use protective equipment for fire-fighting. Use self-contained breathing apparatus when product is involved in fire.
- Firefighting equipment : Non-combustible

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures



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Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Prevent the inflow of this product to waterways, drains, basements, and confined spaces.

6.3. Methods and material for containment and cleaning up

Clean up spills immediately, observing precautions in Protective Equipment section.

6.4. Reference to other sections

N/A

7. Handling and storage

7.1. Precautions for safe handling

Follow all prevention measures on the MSDS/labels.

Handle and store with care.

Give special attention to chemical materials and conditions that must be avoided.

Wear personal protective equipment while handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Keep container closed. Store in cool place.

7.3. Specific end use(s)

Use only professional dentist

8. Exposure controls and personal protection

8.1. Control parameters

Not determined

8.2. Exposure controls

- Eye protection : Wear safety glasses.
- Skin protection : Wear suitable protective clothing and gloves.
- Respiratory protection : Good general ventilation should be sufficient to control airborne levels.

9. Physical and chemical properties



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9.1. Information on basic physical and chemical properties

- Appearance	: Solid, tapered shape points	- Vapor pressure	: N/A
- Odor	: Slight rubber smell	- Vapor density	: N/A
- Color	: Pink	- Relative density	: 2.50 ~2.65 g/cm ³
- pH	: N/A	- Solubility(ies)	: N/A
- Melting/freezing point	: 68.8°C / N/A	- Partition coefficient : n-octanol/water	: N/A
- Initial boiling point and boiling range	: N/A	- Auto-ignition temperature	: N/A
- Flash point	: N/A	- Decomposition temperature	
- Evaporation rate	: N/A	- Viscosity	: N/A
- Flammability(solid, gas)	: N/A	- Explosive properties	: N/A
- Upper/lower flammability or explosive limits	: N/A	- Oxidising properties	: N/A

9.2. Other information

None

10. Stability and reactivity

10.1. Reactivity

Stable

10.2. Chemical stability

Stable when stored and handled under recommended conditions.

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Direct sunlight, heat

10.5 Incompatible materials

None

10.6. Hazardous decomposition products

Carbon Monoxide, Carbon Dioxide, Hydrocarbons and Zinc fumes

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity Device is biocompatible when used as directed by dental professionals per ISO



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12. Ecological information

12.1. Toxicity

- Toxicity : Not determined
- Aquatic toxicity(acute) : Not determined

12.2. Persistence and degradability

Not determined

12.3. Bioaccumulative potential

Not determined

12.4. Mobility in soil

Not determined

12.5. Results of PBT and vPvB assessment

Not determined

12.6. Other adverse effects

None known

13. Disposal considerations

13.1. Waste treatment methods

Dispose of in compliance with governmental regulation.(Council Directive 75/442/EEC(1975))

14. Transport information

4.1. UN Number

Classification information on transportation of hazardous materials not available

14.2. UN proper shipping name

N/A

14.3. Transport hazard class(es)

Hazard classification : N/A

14.4. Packing Group

Packing group : N/A

14.5. Environmental hazards

Marine pollutant #1 : N/A

14.6. Special precautions for user

- ADR - road : N/A
- RID - rail : N/A



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- IMDG - sea : N/A
- IATA - air : Non Hazard

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Transport in bulk : N/A

15. Regulatory information

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

RoHS : Please refer to Medical Devices Directive 93/42/EEC

15.2. Chemical safety assessment

Chemical safety assessment : See Section 11

16. Other information

The information contained in the Safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

HISTORY

- **Date of creation** : 19-10-2015
- **Revision number and Revision date**
 - * Revision number : 7
 - * Date of last revision : 02-01-2023
- **Prepared by** : META BIOMED CO., LTD.