



# Material Safety Data Sheet

- MD-Flex Putty-

METABIOMED CO., LTD.

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

### 1.1. Product identifier

Product name : MD-Flex Putty

Product code : D1MFP00

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

Dental Impression material

### 1.3. Details of the supplier of the safety data sheet

Registered company name: METABIOMED CO., LTD.

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

Cheongju Factory) 136, Mochung-ro, Seowon-gu, Cheongju-si, Chungcheongbuk-do, Korea

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

Fax : (82-43) 216-0438

e-mail : [info@meta-biomed.com](mailto:info@meta-biomed.com)

Manufacturer: METABIOMED 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**

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### 2.2 Label elements

#### **Labelling according to Regulation (EC) No 1272/2008**

\* GHS label elements including precautionary statements

- Hazard Pictograms

Not applicable.

- Signal word : Not applicable.

- Hazard statement(s) : Not applicable.

- Precautionary Statement(s)

Prevention : Not applicable.

- Response : Not applicable.

- Disposal : Not applicable.

### 2.3. Other hazards

None.



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## 3. Composition/information on ingredients

### 3.1. Substances

Not Applicable

### 3.2. Mixtures

Chemical Name	CAS No.	EC No.	Wt. %	Classification (Directive 67/548/EEC)	Classification (Regulation(EC) No 1272/2008[CLP])
Vinylpolydimethylsiloxane	68083-19-2	-	10~30	-	-
Dimethylhydrogen Siloxane Copolymer	68037-59-2	-	<5	R36/37/38	H315, H319, H335
Cristobalite	14464-46-1	238-455-4	<70	R48/20. S22	Inhalation (Category 2), H373
Fumed Silica	68611-44-9	271-893-4	<5	-	Eye irritation (Category 2), single exposure (Category 3), Inhalation (Category 2) H319, H335, H373

## 4. First aids measures

### 4.1. Description of first aid measures

- Inhalation : Remove person to fresh air. If you feel unwell, get medical attention.
- Skin Contact : Wash with soap and water. If signs/symptoms develop, get medical attention.
- Eye Contact : Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.
- If Swallowed : Rinse mouth. If you feel unwell, get medical attention.

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

See Section 11.1. Information on toxicological effects.

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

No further relevant information available



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## 5. Fire fighting measures

### 5.1. Extinguishing media

- Extinguishing media : Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

### 5.2. Special hazards arising from the substance or mixture

- Hazardous combustion products : Burning may produce :Carbon Monoxide, Carbon Dioxide
- 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

Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

### 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

Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible.

### 6.4. Reference to other sections

Not Applicable

## 7. Handling and storage

### 7.1. Precautions for safe handling

Always wear gloves and eye protection. Product is intended for dental use only.



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## 7.2. Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Protect from exposure to direct sun light. 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 : None required
- Skin protection : Wear suitable protective clothing and gloves.
- Respiratory protection : None required

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- |  |                 |   |                         |
|--|-----------------|---|-------------------------|
| - Appearance                                   | : putty         | - Vapor pressure                          | : N/A                   |
| - Odor   | : None          | - Vapor density                           | : N/A                   |
| - Color  | : Yellow, White | - Density                                 | : 1.5 g/cm <sup>3</sup> |
| - pH   | : N/A           | - Specific gravity(H <sub>2</sub> O=1)    | : 1.5                   |
| - Melting/freezing point                       | : N/A           | - Solubility(ies)                         | : Insoluble             |
| - Initial boiling point and boiling range      | : N/A           | - Partition coefficient : n-octanol/water | : N/A                   |
| - Flash point                                  | : N/A           | - Auto-ignition temperature               | : N/A                   |
| - Evaporation rate                             | : N/A           | - Decomposition emperature                | : N/A                   |
| - Flammability(solid, gas)                     | : N/A           | - Viscosity                               | : N/A                   |
| - Upper/lower flammability or explosive limits | : N/A           | - Explosive properties                    | : N/A                   |
|  |                 | - Oxidising properties                    | : N/A                   |

### 9.2. Other information

None

## 10. Stability and reactivity

### 10.1. Reactivity

Stable

### 10.2. Chemical stability



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Stable when stored and handled under recommended conditions.

**10.3. Possibility of hazardous reactions** - None

**10.4. Conditions to avoid** - None known.

**10.5 Incompatible materials** - None known.

**10.6. Hazardous decomposition products** - CO

## 11. Toxicological information

### 11.1. Information on toxicological effects

- **Acute toxicity** : N/A
- **Primary effects to skin** : Contact with the skin during product use is not expected to result in significant irritation.
- **Primary effects to eyes** : Contact with the skin during product use is not expected to result in significant irritation.
- **Primary effects to respiratory system** : Not an acute inhalation hazard
- **Sensitization** : N/A
- **Additional toxicological info** : N/A

## 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 contents/ container in accordance with the local/regional/national/international regulations.



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Dispose of completely cured (or polymerized) material in a permitted industrial waste facility. As a disposal alternative, incinerate uncured product in a permitted waste incineration facility. If no other disposal options are available, waste product that has been completely cured or polymerized may be placed in a landfill properly designed for industrial waste.

## 14. Transport information

14.1. UN Number N/A

14.2. UN proper shipping name N/A

14.3. Transport hazard class(es) N/A

14.4. Packing Group N/A

14.5. Environmental hazards N/A

14.6. Special precautions for user

- ADR - road : N/A

- RID - rail : N/A

- IMDG - sea : N/A

- IATA - air : N/A

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 : 2015.03.08

- Revision number and Revision date

\* Revision number : 1

\* Date of last revision : 2016.12.05

- Prepared by : METABIOMED CO., LTD.