

MATERIAL SAFETY DATA SHEET

1. Product and Company Information

Common Name	Dental Impression Materials
Model Name	CharmFlex® Putty,
Classification	class I
Licence	02-984
A Use of Product and Cautions	For Dental Use Only
Company	DENTKIST, Inc.
Address	3, Nongshim-ro, Gunpo-si, Gyeonggi-do, 435-831, Korea
TEL	+81-31-458-3232
FAX	+81-31-458-1312
WEB	http://www.dentkist.com
E-mail	dentkist@dentkist.com
Establish Date	2003. 05. 12 (Rev. 0)
Revision Date	2018. 12. 09 (Rev. 9)
Distributor	Ultimate Dental Supplies. 660A South Rd MOORABBIN VIC 3189 Tel 03 9532 1799 Fax 03 9555 9458 info@ultimatedental.com.au www.ultimatedental.com.au

Emergency phone number 13 11 26

Poisons Hotline
(24 hours / 7 days)

2. Hazards Identification

Classification	Non-irritation, Non-Harmfulness
Division	N/A
Caution Mark List	



See Instruction for Use



Storage Temperature Limits



Do Not Use the Exceeded
Expiration Date



Manufacture Date



LOT Number



Manufacturer



EC Representative

3. Composition / Information on Ingredient

<u>Ingredients</u>	<u>CAS No.</u>	<u>%</u>
<BASE>		
Poly(dimethylsiloxane)	68083-19-2	25~35
Calcium silicate	1344-95-2	10~30
Silicone dioxide	112945-52-5	30~45
Other Ingredients		to 100
<CATALYST>		
Poly(dimethylsiloxane)	68083-19-2	20~40
Silicone dioxide	112945-52-5	20~40
Calcium silicate	1344-95-2	20~30
Other Ingredients		to 100

4. First Aid Measures

Skin Exposure

In case of contact with skin,
wash with much amount of
water for at least 10 minutes.
Call a physician.

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Eye Exposure	In case of contact with eyes, flush with copious amounts of water and physiological saline for at least 10 minutes. Call a physician.
Dentist Cautions	Protective device for the respiratory tract is highly recommended before use it.

5. Fire Fighting Measures

Stability	Stable
Conditions to Avoid	Direct sunlight, Extreme heat
Hazardous Polymerization	Does not happen
Suitable Extinguishing Media	Incombustibility

6. Accidental Release Measures

Information to Protect the Human Body	Disposable gloves
Information to Protect the Environment	Throw it away after use

7. Handling and Storage

Handling	Dental specialists and the training of Clinical Dentistry, was the handle.
Storage	Keep tightly closed. Store this materials in a shady, cool and dry place(18~24 °C / 64~75 °F).

8. Exposure Controls / PPE

Exposure Limits	Avoid long-term exposure to the human body.
Suitable Engineering	N/A

Controls

Personal Protective Equipment	Disposable gloves
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9. Physical / Chemical Properties

Form	Paste
Shade	Contrasting colour
Volume/Weight	280 ml
Consistency	25.83 mm
Mixing time	30~40 sec.
Working time	90~120 sec.
Setting time	2~4 min.
Detail reproduction	30 μm
Compatibility with gypsum	30 μm
Linear dimensional change	-0.213%
Elastic recovery	99.75%
Strain-in compression	3.28%
Boiling point	150 °C (302 °F)
Melting point	N/A
Flash point	400 °C (482 °F)
Freezing point	-100 °C (-148°F)

10. Stability and Reactivity

Stability	Polymerization by Mixing
Possibility	Polymerization (self-cure)
Conditions to Avoid	Direct Sunlight, Extreme heat
Materials to Avoid	N/A
Disassembling	N/A

11. Toxicological Information

Cytotoxicity	Suitability
Acute Systemic Toxicity	Suitability
Oral Mucosa Irritation	Suitability
Pyrogenicity	Suitability

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Maximization Sensitization Suitability

12. Ecological Information

Ecology Toxicity	N/A
Residual & Resolvability	N/A
Bioconcentration	N/A
Soil Mobility	N/A
The Others	N/A

13. Disposal Considerations

Method of Disposal of substance or Preparation Throw it away after use

Cautions Separate from the mixture of materials banned.

14. Transport Information

Regulatory Information	DOT, IMDG, IATA-DGR
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UN Number N/A

Proper Shipping name N/A

Class N/A

Packing Group N/A

Label N/A

15. Regulatory Information

Medical Devices Law For dental use only

International Standard ISO 4823, ISO 10993

More Standard EN 980, en 1041, EN 1641, EN 13485, EN 14971

16. Other Information

Reference Korea Medical Devices Law, Ordinance, Regulation
ISO, MSDS, DENTKIST data

Others N/A : Not Applicable

NOTE : The Information provided in this material safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and is not to be considered a warranty or representation for which DentKist, Inc. bears legal responsibility. The Information may not be valid in any process, unless specified in the text.