



**ULTIMATE DENTAL**

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## MATERIAL SAFETY DATA SHEET

### 1. Product and Company Information

<b>Common Name</b>	Dental Impression Materials CharmFlex® Silicone
<b>Model Name</b>	(cartridge type, tube type) CharmFlex® Silicone (cartridge type, tube type)
<b>Classification</b>	class I
<b>Licence Number</b>	03-1031
<b>A Use of Product and Cautions</b>	For Dental Use Only
<b>Manufacturer</b>	DENTKIST, Inc.
<b>Address</b>	3, Nongshim-ro, Gunpo-si, Gyeonggi-do, 435-831, Korea
<b>TEL</b>	+81-31-458-3232
<b>FAX</b>	+81-31-458-1312
<b>WEB</b>	<a href="http://www.dentkist.com">http://www.dentkist.com</a>
<b>E-mail</b>	<a href="mailto:dentkist@dentkist.com">dentkist@dentkist.com</a>
<b>Distributor</b>	Ultimate Dental Supplies
<b>Address</b>	660A South Rd MOORABBIN VIC 3189 Phone: 03 9532 1799 Fax 03 9555 9458 E:: <a href="mailto:info@ultimatedental.com.au">info@ultimatedental.com.au</a>
<b>Emergency Phone</b>	13 11 26 Poisons Hotline (24/7)
<b>Establish Date</b>	2003.11.20 (Rev. 0)
<b>Revision Date</b>	2019.12.09 (Rev. 7)

### 2. Hazards Identification

<b>Classification</b>	Non-irritation, Non-Harmfulness
<b>Division</b>	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>
<b>&lt;BASE&gt;</b>		
Poly(dimethylsiloxane)	68083-19-2	50~60
Silicone dioxide	112945-52-5	25~35
Calcium silicate	1344-95-2	5~15
Other Ingredients		to 100
<b>&lt;CATALYST&gt;</b>		
Poly(dimethylsiloxane)	68083-19-2	50~60
Silicone dioxide	112945-52-5	25~35
Calcium silicate	1344-95-2	5~15
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.

**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.



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### 5. Fire Fighting Measures

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

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### 6. Accidental Release Measures

<b>Information to Protect the Human Body</b>	Disposable gloves
<b>Information to Protect the Environment</b>	Throw it away after use

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### 7. Handling and Storage

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

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### 8. Exposure Controls / PPE

<b>Exposure Limits</b>	Avoid long-term exposure to the human body.
<b>Suitable Engineering Controls</b>	N/A
<b>Personal Protective Equipment</b>	Disposable gloves

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### 9. Physical / Chemical Properties

<b>Form</b>	Paste
<b>Shade</b>	Contrasting colour
<b>Volume/Weight</b>	50 ml

<b>Consistency</b>	34.25 mm
<b>Mixing time</b>	30~40 sec.
<b>Working time</b>	90~120 sec.
<b>Setting time</b>	2~4 min.
<b>Detail reproduction</b>	20 μm
<b>Compatibility with gypsum</b>	20 μm
<b>Linear dimensional change</b>	-0.063%
<b>Elastic recovery</b>	99.67%
<b>Strain-in compression</b>	4.12%
<b>Boiling point</b>	N/A
<b>Melting point</b>	N/A
<b>Flash point</b>	N/A
<b>Freezing point</b>	N/A

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### 10. Stability and Reactivity

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

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### 11. Toxicological Information

<b>Cytotoxicity</b>	Suitability
<b>Acute Systemic Toxicity</b>	Suitability
<b>Oral Mucosa Irritation</b>	Suitability
<b>Pyrogenicity</b>	Suitability

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### 12. Ecological Information

<b>Ecology Toxicity</b>	N/A
<b>Residual &amp; Resolvability</b>	N/A
<b>Bioconcentration</b>	N/A
<b>Soil Mobility</b>	N/A
<b>The Others</b>	N/A



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### 13. Disposal Considerations

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

**Cautions** Separate from the mixture of materials banned.

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### 14. Transport Information

**Regulatory Information** DOT, IMDG, IATA-DGR

**UN Number** N/A

**Proper Shipping name** N/A

**Class** N/A

**Packing Group** N/A

**Label** N/A

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### 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

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### 16. Other Information

**Reference** Korea Medical Devices Law,  
Ordinance, Regulation

ISO, MSDS, DENTKIST data

**Others** N/A : Not Applicable

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**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.

