

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

- **Carcinogenic categories**

<b>IARC (International Agency for Research on Cancer)</b>
None of the ingredients is listed.

<b>NTP (National Toxicology Program)</b>
None of the ingredients is listed.

<b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>
None of the ingredients is listed.

#### 12-ECOLOGICAL INFORMATION

##### Toxicity

· <b>Aquatic toxicity:</b>	
9006-65-9 Dimethicone	
EC50	Not determined
9004-32-4 Carboxymethyl cellulose sodium	
LC50	100 - 1,000 mg/l - 96 h (Oncorhynchus mykiss)
EC50	87.26 mg/l - 48 h (water flea)
85049-30-5 Nanobentonite	
EC50	Not determined

##### · Behavior in environmental systems:

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

##### · Additional ecological information:

##### · General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

##### · Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

#### 13-DISPOSAL CONSIDERATIONS

##### Waste treatment methods

##### · Recommendation:

Dispose of contents/container in accordance with international, federal, state, and local regulations.

##### · Uncleaned packagings:

· **Recommendation:** Disposal must be made according to official regulations.

#### 14-TRANSPORT INFORMATION

· <b>UN-Number</b>
· <b>DOT, ADN, IMDG, IATA</b> Not Regulated
<b>UN proper shipping name</b>

· <b>DOT, ADN, IMDG, IATA</b> Not Regulated
<b>Transport hazard class(es)</b>
· <b>DOT, ADN, IMDG, IATA - Class</b> Not Regulated
· <b>Packing group</b>
· <b>DOT, IMDG, IATA</b> Not Regulated
<b>Environmental hazards:</b> Not Applicable.
<b>Special precautions for user</b> Not Applicable
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> Not Applicable.
· <b>UN "Model Regulation":</b> Not Regulated

#### 15-REGULATORY INFORMATION

**Status under REGULATION(EC) No 1272/2008** OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006;

· This device is classified as an irritant:

Skin irritation (Category 2)

Eye irritation (Category 2)

acute aquatic toxicity irritation (Category 3)

**Status under USDOL-OSHA Hazard Communication Rule, 29 CFR 1910.1200:**

None of the ingredients is listed.

#### 16-OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** R&D Department

· **Contact:** Customer Service

· **Date of preparation / last revision** 12/06/2022 /

## SAFETY DATA SHEET

Date Issued: 2022.12.06 Rev B/0

Beijing C-Root Dental Medical Devices Co., LTD.


C-Root Leak Seal

#### 1-IDENTIFICATION

Product	Trade Name	Product Identifier Number (REF)
Identifier	C-Root Leak Seal	1g,2g,3g,4g,5g ,6g,10g, 15g,20g,30g

<b>Product Use</b>	C-Root Leak Seal
<b>Restrictions on Use</b>	For dental use only.
<b>Supplier</b>	Beijing C-Root Dental Medical Devices Co., LTD. Room 301, Building 10, Yard 12, Middle Juyuan Road, Mapo Town, Shunyi District, Beijing, China Tel: +8610 010-56467681
<b>Emergency Contact</b>	Tel: +861018601299788

#### 2-HAZARDS IDENTIFICATION

<b>Classification of the substance or mixture</b>		
2 H315	Causes skin irritation	
2 H319	Causes serious irritation	
3 H400	Causes acute aquatic toxicity irritation	

#### Precautionary statements

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 IF SKIN irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

P273 Avoid release to the environment.

P312 Get medical advice/attention.

#### · Classification system:

#### 3-COMPOSITION/INFORMATION ON INGREDIENTS

##### · Chemical characterization: Mixtures

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· <b>Dangerous components:</b>		
9006-65-9	Dimethicone	<40%
9004-32-4	Carboxymethyl cellulose sodium	1-10%
85049-30-5	obentonite	≥50%

#### 4-FIRST AID MEASURES

##### · Description of first aid measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

#### 5-FIRE-FIGHTING MEASURES

##### Extinguishing media

##### Suitable extinguishing agents:

Water spray, fog, or mist, foam, dry chemical, carbon dioxide

Use fire fighting measures that suit the environment.

- **Special hazards arising from the substance or mixture** No further relevant information available.

##### Advice for firefighters

- **Protective equipment:** If necessary, wear a self-contained breathing apparatus to put out the fire

#### 6-ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures** Not required.

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

##### Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

##### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment

See Section 13 for disposal information.

#### 7-HANDLING AND STORAGE

**Precautions for safe handling** Open and handle receptacle with care.

- **Information about protection against explosions and fires:** Keep respiratory protective device available.

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

##### Storage:

- **Requirements to be met by storerooms and receptacles:** No special requirements.

- **Information about storage in one common storage facility:** Not required.



##### Further information about storage conditions:




See product labelling.

Keep receptacle tightly sealed.

- **Specific end use(s)** Professional Dental Caulking & Sealing Materials

#### 8-EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Control Parameters</b>	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.	
<b>Appropriate Engineering Controls</b>	Use and store in a well-ventilated area.	
<b>Individual Protections Measures, Such as Personal Protective Equipment (PPE)</b>	<b>Eye/Face Protection</b>   <ul style="list-style-type: none"> <li>· Safety glasses with side shields.</li> <li>· Tightly sealed safety goggles.</li> <li>· Face shields</li> <li>· Contact lenses should not be worn.</li> </ul>	

	<b>Skin Protection</b> 	<ul style="list-style-type: none"> <li>· Glove material has to be impermeable and resistant to the product: <ul style="list-style-type: none"> <li>○ Exam gloves: nitrile rubber or latex.</li> <li>○ Recommended thickness of the glove material: ≥0.38mm</li> </ul> </li> <li>· Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.</li> <li>· Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practice.</li> <li>· Wash and dry hands after handling product.</li> <li>· Lightweight impermeable protective work clothing (lab coat), as appropriate, to prevent skin contact.</li> <li>· Remove contaminated clothing and personal protective equipment before entering eating areas.</li> <li>· Remove contaminated clothing and personal protective equipment. Wash before reuse</li> </ul>
	 <b>WEAR LABORATORY COAT</b>	
	<b>Respiratory Protection</b> 	<ul style="list-style-type: none"> <li>· Surgical face mask</li> <li>· Handle product in a well-ventilated area.</li> </ul>
	<b>Thermal Hazards</b>	Not applicable
	<b>Hygiene Measures</b>	<ul style="list-style-type: none"> <li>· Handle in accordance with good industrial hygiene and safety practice.</li> <li>· Keep away from foodstuffs and beverages.</li> <li>· Wash hands before breaks and at the end of work.</li> </ul>

#### 9-PHYSICAL AND CHEMICAL PROPERTIES

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

##### General Information

##### Appearance:

**Form:** Paste

**Color:** Purple

· **Odor:** Odorless

· **Odor threshold:** Not determined

· **pH-value:** Not applicable (non-aqueous)

##### Change in condition

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** >35 °C

· **Flash point:** >121 °C

**Flammability (solid, gaseous):** Not applicable.

<b>Decomposition temperature:</b> Not determined
<b>Auto igniting:</b> Product is not selfigniting.
· <b>Danger of explosion:</b> Product does not present an explosion hazard.
· <b>Explosion limits:</b>
<b>Lower:</b> Not determined.
<b>Upper:</b> Not determined
· <b>Vapor pressure:</b> Not determined
· <b>Density at 20 °C:</b> 1-1.3 g/cm <sup>3</sup>
· <b>Relative density</b> Not determined
· <b>Vapor density</b> Not determined.
· <b>Evaporation rate</b> Not determined.
· <b>Solubility in / Miscibility with</b>
<b>Water:</b> Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b> Not determined.
· <b>Viscosity:</b>
<b>Dynamic:</b> Not determined.
<b>Kinematic:</b> Not determined
<b>Solvent content:</b>
<b>Organic solvents:</b> <40 %
<b>VOC content:</b> 39.70 %
397-516.1 g/l / 3.31-4.31 lb/gal
<b>VOC (EC) :</b> 39.70 %
<b>Solids content:</b> <70.0 %
· <b>Other information</b> No further relevant information available.

#### 10-STABILITY AND REACTIVITY

- **Reactivity** Stable

- **Chemical stability**

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **Possibility of hazardous reactions** No dangerous reactions known.

- **Conditions to avoid** No further relevant information available.

- **Incompatible materials:** No further relevant information available.

- **Hazardous decomposition products:** No dangerous decomposition products known

#### 11-TOXICOLOGICAL INFORMATION

##### Information on toxicological effects

##### Acute toxicity:

<b>LD/LC50 values that are relevant for classification:</b>		
9006-65-9 Dimethicone		
Oral	LD50	Not determined
Dermal	LD50	Not determined
9004-32-4 Carboxymethyl cellulose sodium		
Oral	LD50	27,000 mg/kg
Dermal	LD50	2,000 mg/kg
85049-30-5 Nanobentonite		
Oral	LD50	Not determined
Dermal	LD50	Not determined

- **Primary irritant effect:**