

## MATERIAL SAFETY DATA SHEET

### 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Name:** ReCal-LC Light Curing Calcium Hydroxide Cavity Liner and Pulp Capping

**Other Names:** n/a

**Recommended Use:** Pulp capping and as a protective base/liner under dental filling materials, cements and other base materials

**Company name:** Safe Endo Dental India Pvt. Ltd.

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### 2 - HAZARDS IDENTIFICATION

#### Hazard Classification

Xi Irritant

#### Information concerning to particular hazards to man and environment

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 36 Irritating to eyes

R 43 May cause sensitization by skin contact

#### Classification system

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

**Additional information: Use only for intended scope of application**

### 3 - COMPOSITION/INFORMATION ON INGREDIENTS

The paste contains the following dangerous substances:

| Chemical name                                 | Content | w/w % | CAS       | EC no.    | R-Phrases |
|---|---------|-------|-----------|-----------|-----------|
| Calcium Hydroxide                             |         |       | 1305-62-0 | 215-13    |           |
| Zirconium Oxide                               |         |       | 1314-23-4 | 215-227-2 |           |
| Photoinitiators and<br>Paste forming<br>agent |         |       |           |           |           |

### 4 - FIRST AID MEASURES

**After inhalation :** Supply fresh air and to be sure call for a doctor In case of unconscious plate patient stably in side position for transportation

**After skin contact :** Immediately wash with water and soap and rinse thoroughly

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

**After swallowing :** if symptoms persist consult doctor.

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#### 5 - *FIRE-FIGHTING MEASURES*

**Suitable extinguishing agents :** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Protective equipment :** No Special measures required

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#### 6 - *ACCIDENTAL RELEASE MEASURES*

**Person-related safety precautions :** Not required.

**Measures for environmental protection :** No special measures required

**Measures for cleaning/collecting :** Pick up mechanically.

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#### 7 - *HANDLING AND STORAGE*

##### **Handling**

**Information for safe handling :** For dental use only

**Information about fire - and explosion protection :** No special measures required.

**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 storage instruction on package.

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#### 8 - *EXPOSURE CONTROLS/PERSONAL PROTECTION*

**Ingredients with limit values that requires monitoring at the workplace :** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information :** The lists valid during the making were used as basis.

**Personal protective equipment General protective and hygienic Measures :** Immediately remove all soiled and contaminated clothing wash hand before breaks and at the end of work.

**Protection of hands:** Protective gloves

##### **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. • **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. •

**Eye protection :** Safety glasses

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#### 9 - *PHYSICAL AND CHEMICAL PROPERTIES*

**General Information Form:** Pasty

**Colour:** White

**Odour:** Characteristics

**Change in condition Melting point/Melting range:** undetermined

**Boiling point/Boiling range:** undetermined

**Flash point:** Not applicable

**Self-igniting:** Product is not selfigniting.

**Danger of explosion:** Product does not present an explosion hazard.

**Density:** Not determined

**Solubility in / Miscibility with Water :** No miscible or difficult to mix

**pH-Value at 20 oC:** 9

#### 10 - STABILITY AND REACTIVITY

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

**Dangerous reactions No :** No dangerous reactions known

**Dangerous decomposition products :** No dangerous decomposition products known

#### 11 - TOXICOLOGICAL INFORMATION

**Acute toxicity:**

**Primary irritant effect:**

**on the skin :** No Irritating effect.

**on the eye :** No Irritating effect.

**Sensitization :** sensitizing possible through skin contact

**Additional Toxicological Information :** The product shows the following dangers according to the calculations method of the General EU Irritant

**Sensitisation :** may cause sensitization by skin contact

#### 12 - ECOLOGICAL INFORMATION

**Additional ecological information:**

**General Notes :** Water hazard class 1(German Regulations) (Self-assessment): slightly hazardous for water

#### 13 - DISPOSAL CONSIDERATIONS

**Waste treatment methods:**

Unusable waste of the product be disposed of as hazardous waste. Contaminated packages must be burnt in an incineration plant or handled by a company authorised for dangerous waste disposal.

#### 14 TRANSPORT INFORMATION

|   |               |
|---|---------------|
| <b>DOT shipping name</b>                | Not-regulated |
| <b>DOT hazard class</b>                 | Not-regulated |
| <b>UN number</b>                        | N/A           |
| <b>Sea transport IMDG/GGV sea class</b> | N/A           |
| <b>UN number</b>                        | N/A           |
| <b>MFGA number</b>                      | N/A           |
| <b>EmS number</b>                       | N/A           |
| <b>Air transport ICAO-Ti and</b>        | N/A           |

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|                        |               |
|------------------------|---------------|
| <b>IAT A-DGR class</b> | Not-regulated |
|------------------------|---------------|

|                  |     |
|------------------|-----|
| <b>UN number</b> | N/A |
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### ***15 - REGULATORY INFORMATION***

#### **Labelling according to EU guidelines:**

The product has not been classified and marked in accordance with EU Directives / respective national laws.

#### **Special labelling of certain preparations:**

Safety data sheet available for professional user on request

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### ***16 - OTHER INFORMATION***

The above information applies to customer packages unless stated otherwise, and fully expresses our current knowledge and experience. The product is assumed for use at worksites corresponding to its designation, and the instructions on the enclosed instruction sheet as well as the standard labour safety regulations for the handling of chemical products are assumed to be adhered to.