

# CalPaste LC

Etching gel based on Orthophosphoric Acid

Material safety data sheet (MSDS)  
Version 1.0 / EN

27/10/2017

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## SECTION 1: THE NAME AND STRUCTURE OF SUBSTANCE OR A MATERIAL

### 1.1. Product identifier

Product Name	DSI CalPaste LC
Chemical characterization	Calcium hydroxide paste

### 1.2. Structure

Contents	Paste in syringe White color, Odorless
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## SECTION 2: HAZARD(S) IDENTIFICATION

### 2.1. Health effects are based on the unmixed/uncured material.

Under FDA regulations this product is classified as a medical device.

Medical devices are exempt from the labelling provisions of GHS according to the Hazard Communication Standard (HCS).

### 2.2. Classification of the substance or mixture



Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2A	H319 Causes serious eye irritation.

- Label elements
- Hazard pictograms



- Hazard statements
- Causes skin irritation.  
Causes serious eye irritation.

### • Precautionary statements

Wash thoroughly after handling.

Wear protective gloves / eye protection / face protection.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center/doctor.

Wash contaminated clothing before reuse.

• **Other hazards** Use only for intended scope of application

### • Results of PBT and vPvB assessment

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.1. Chemical characterization: Mixtures**

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

• **Dangerous components:**

CAS: 1305-62-0

calcium dihydroxide

25-50%



Eye Dam. 1, H318



Skin Irrit. 2, H315; STOT SE 3, H335

## **SECTION 4: FIRST AID MEASURES**

### **4.1. Description of first aid measures**

• General information: No special measures required.

• After inhalation: Seek medical treatment in case of complaints.

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

• After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

• After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a doctor.

### **4.2. 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.

## **SECTION 5: MEASURES AND MEANS OF MAINTENANCE OF FIRE SAFETY**

### **5.1. Extinguishing media**

- **Suitable extinguishing agents:** 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:** No special measures required.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **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.*

### **6.2. Protective Action Criteria for Chemicals**

<b>PAC-1:</b>	CAS: 1305-62-0 calcium dihydroxide	15 mg/m <sup>3</sup>
<b>PAC-2:</b>	CAS: 1305-62-0 calcium dihydroxide	240 mg/m <sup>3</sup>
<b>PAC-3:</b>	CAS: 1305-62-0 calcium dihydroxide	1,500 mg/m <sup>3</sup>

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Handling:**

- **Precautions for safe handling**

For dental use only.

No special precautions are necessary if used correctly.

Observe the instructions for use.

- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**

### **7.2. 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 instructions on package
- **Specific end use(s)** No further relevant information available.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1. Additional information about design of technical systems: No further data; see item 7.**

#### **- Control parameters**

- Components with limit values that require 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 that were valid during the creation were used as basis.

#### **- Exposure controls**

#### **- Personal protective equipment:**

#### **- General protective and hygienic measures:**

Avoid contact with the eyes and skin.

The usual precautionary measures for handling chemicals should be followed.

- **Breathing equipment:** Not required.

- **Protection of hands:**



Protective gloves

### **8.2. 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.

### **8.3. Eye protection: Safety glasses**

## **SECTION 9: PHYSICAL/CHEMICAL CHARACTERISTICS**

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

#### **General Information:**

#### **- Appearance:**

Form:	Pasty
Color:	White
Odor:	Odorless
pH-value at 20 °C (68 °F):	12

#### **- Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

- **Flash point:** Not applicable.

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

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

- **Density:** Not determined.

• **Solubility in / Miscibility with**

Water: Fully miscible.

• **Viscosity:**

Dynamic: Not determined.

Kinematic: Not determined.

• **Other information**

No further relevant information available.

## **SECTION 10: STABILITY AND REACTIVITY**

• **Reactivity** No further relevant information available.

• **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.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

• **Acute toxicity:**

• **LD/LC50 values that are relevant for classification:**

**CAS: 1305-62-0 calcium dihydroxide**

Oral LD50 7,340 mg/kg (rat)

### **11.2. Primary irritant effect:**

• **on the skin:** Irritant to skin and mucous membranes.

• **on the eye:** Strong irritant with the danger of severe eye injury.

• **Sensitization:** No sensitizing effects known.

• **Additional toxicological information:**

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

Irritant

### **11.3. Carcinogenic categories**

• **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed

• **NTP (National Toxicology Program)**

None of the ingredients is listed.

• **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1. Toxicity**

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.

### **12.2. Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

### **12.3. Additional ecological information:**

- General notes: Not hazardous for water.

### **12.4. Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### **12.5. Other adverse effects** No further relevant information available.

## **SECTION 13: DISPOSAL CONSIDERATION**

### **13.1. Waste treatment methods**

- **Recommendation:** Disposal must be made according to official regulations

### **13.2. Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## **SECTION 14: TRANSPORT INFORMATION**

### **· UN-Number**

DOT	UN1760
ADR, IATA	Void

### **· UN proper shipping name**

DOT	CORROSIVE LIQUID, N.O.S. (calcium dihydroxide)
ADR	Void
	1760 CORROSIVE LIQUID, N.O.S.
	(calcium dihydroxide)
IATA	Void

### **· Transport hazard class(es)**

DOT	
Class	8 Corrosive substances
Label	8
ADR, IATA	
Class	Void



• **Packing group**

DOT	II
ADR, IATA	Void

• **Environmental hazards:**

Marine pollutant:	No
Special precautions for user	Not applicable.

• **Transport in bulk according to Annex II of**

MARPOL73/78 and the IBC Code	Not applicable.
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## **SECTION 15: OTHER INFORMATION**

Since the working conditions of the final user are unknown, the information presented in this safety data sheet is based on the current level of our knowledge, based on national and general standards.

The product should not be used for any other purpose than those indicated under heading without first receiving written instructions for use. The user must take all necessary measures to comply with the requirements and rules of the law. The information in this safety data sheet should be considered as a description of the safety requirements that apply to our product and does not guarantee its properties.