

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date:

Revision: 3.4.2013

1 Identification of substance:

- **Product details:**
- **Trade name:** LM-Calcium C
- **Application of the substance / the preparation:** For removal of dental plaque and stains
- **Manufacturer / Supplier:**
LM-Instruments
PO Box 88 (Norrbyn rantatie 8)
FI-21601 Parainen Finland
Tel. +358 2 4546 400
Fax. +358 2 4546 444
- **E-mail address of the competent person responsible for the Safety Data Sheet:**
kari.lehtonen@lm-dental.com
- **Informing contact:** Kari Lehtonen
- **Emergency information:** +358 2 4546 400 or next toxicological information centre

2 Hazards identification

- **Hazard designation:** The product does not require labelling.
- **Information pertaining to particular dangers for man and environment** void
- **Classification system**
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.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:** Void

• Other components:		
	Calcium Carbonate	ca. 94 %
	Calcium Fluoride	< 0,5 %
	Calcium Nitrate	< 0,5 %
	Ammonium Nitrate	< 2,0 %
	Tricalcium Orthophosphate	< 0,5 %
	Strontium carbonate	< 1,5 %

4 First aid measures

- **General information:** Similar to other dust nuisance: may cause irritation effect. Move to fresh air, keep the patient warm and at rest.
- **After inhalation:** Similar to other dust nuisance: may cause irritation effect to the respiratory tract. Move to fresh air, keep the patient warm and at rest.
- **After skin contact:** Wash the skin thoroughly with soap and water.

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- **After eye contact:** Rinse with large amounts of water (open eyelids) for at least 15 minutes. Get medical advice if irritation persists.
- **After swallowing:** Give plenty of water and milk to drink.

5 Fire fighting measures

Proper Firefighting Equipment: Use extinguishing media appropriate for surrounding fire.

Fire and explosion Hazards:
The product is not combustible.

6 Accidental release measures

- **Person-related safety precautions:**
Wear simple protective laboratory glasses.
- **Measures for environmental protection:** None.
- **Measures for cleaning/collecting:**
Use mechanical handling equipment.
Collect in dry containers.
Rinse the area with water.

7 Handling and storage

- Keep container dry.

8 Exposure controls and personal protection

Ventilation: N/Ap
Respiratory protection: No. If dust expected, wear face mask.
Eye protection: Yes. Chemical safety goggles when airborne dust expected.
Skin protection: General purpose examination gloves.
Other protective clothing or equipment: No.

9 Physical and chemical properties:

- **General Information**
Form: Powder
Colour: Grayish white
Smell: odourless
Solubility: Slowly soluble in water. Soluble in acids.
- **Density:** ca. 2,5 g/cm³
- **Ph solution:** ca.8,5 (10%)

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10 Stability and reactivity

- **Materials to be avoided:** May ignite upon contact with fluorine gas.
- **Dangerous products of decomposition:**
Calcium Oxide and Carbon Dioxide are formed upon heating/ reaction with acids.

11 Toxicological information

- May cause irritation effect similar to other nuisance dusts.
- Inhalation:** May cause irritation, similar to other nuisance dusts, to the respiratory tract.
- **Primary irritant effect:**
- **on the skin:** Dust particles may mechanically irritate the skin.
- **on the eye:** May cause irritation, similar to other nuisance dusts.
- **Ingestion:** May cause irritation.
- **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information:

- **Breakdown:** Mineralizes.
- **Mobility and bioaccumulation potential:** Slowly soluble in water. Does not bioaccumulate.
- **Additional ecological information:** There are no specific environmental data for the product. —
- General information:** Release to water systems will cause a slight increase in alkalinity.

13 Disposal considerations

- The product is not classified as hazardous waste.

14 Transport information

- **Proper Shipping Name (PSN)**
Road: ADR
Rail: RID
Sea: IMDG
Airplane: IATA

The product is not considered as dangerous goods.

15 Regulatory information

- **Composition:** Calcium Carbonate (94%), Calcium Fluoride (< 0,5 %), Calcium Nitrate (<

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0,5%), Ammonium Nitrate (< 2,0 %), Tricalcium OrthoPhosphate (< 0,5 %), Strontium Carbonate (> 1,5%).

Designation according to EC guidelines:

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

Observe all safety regulations when handling chemicals.

- **National regulations**
- **Decree to be applied in case of technical fault: -**

16 Other information:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.