

# MATERIAL SAFETY DATA SHEET - CALASEPT PLUS

## MATERIAL SAFETY DATA SHEET

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### Product: CALASEPT PLUS

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Trade Name: **CALASEPT Plus**  
Chemical Name: Calcium hydroxide with radioopacity  
Supplier's Product Code: 31000  
UN Number: 3266  
Dangerous Goods Class: Corrosive (C, R34)      Subsidiary Risk:  
HAZCHEM Code:  
Poisons Schedule: S25, S26

## PRODUCT TYPE AND USE

Calcium hydroxide with radioopacity. Used for temporary root filling, isolation.

## 2. HAZARDS IDENTIFICATION

Classification: Corrosive (C, R34).  
Adverse physicochemical effects: Corrosive. The product has the pH-value of 12.4  
Adverse human health effects: Causes skin irritation. Causes severe burns and eye damage.  
Adverse environmental effects: -

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-no	Einecs-no	Content (%)	Symbol letters*	R-phrases**
Calcium hydroxide	1305-62-0	215-137-3	41-46	C	R34
Barium sulphate	7727-43-7	231-784-4	5-10	-	-
Ringer solution	-	-	>48	-	-

\* C=Corrosive

\*\* R34=Causes burns

## 4. FIRST AID MEASURES

Inhalation: -  
Skin contact: Wash off with plenty of water.  
Eye contact: Keep the eyelids wide apart and flush with plenty of water for at least 15 minutes. Get medical attention.

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Ingestion: Immediately drink ca. 0.5 L of water, or preferably milk. Get medical attention as soon as possible.

Further information: Never give any food and/or drink to an unconscious person. Please show this safety data sheet to the doctor on duty. Get medical attention in case of uncertainty.

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: -  
Extinguishing media which must not be used: -  
Special exposure hazards arising from the substance or preparation itself, combustion products, and resulting gases: -  
Special protective equipment: -  
Further information: **This product is inflammable.**

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Eye bath should be available in the premises. Avoid skin contact. Eye protectors should be used.

Environmental precautions: -  
Methods for cleaning up: -

### 7. HANDLING AND STORAGE

Handling: The product should be handled with care and in accordance with strict hygiene practices.

Storage: Do not store together with strong acids, anhydrides and nitro compounds. Store at room temperature, do not refrigerate. Avoid exposure to direct sunlight.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure limit values:** Calcium hydroxide: OSHA Permissible Exposure Limit (PEL): Time Weighted Average (TWA) 15 mg/m<sup>3</sup> (total) 5 mg/m<sup>3</sup> (resp). NIOSH Recommended Exposure Limit (REL): TWA 5 mg/m<sup>3</sup>. Barium sulphate: OSHA PEL: TWA 15 mg/m<sup>3</sup> (total) TWA 5 mg/m<sup>3</sup> (resp). NIOSH REL: TWA 10 mg/m<sup>3</sup> (total) TWA 5 mg/m<sup>3</sup> (resp).

**Exposure controls:** All work should be carried out in accordance with strict hygiene practises. All work should take place in suitable premises, in accordance with the existing legislation and regulations. See also heading 7. Handling and storage.

**Occasional exposure controls:**

Respiratory protection: -

Hand protection:

Eye protection:

Skin protection: -

**Environmental exposure controls: -**

Protective gloves should be used in order to avoid exposure.

Eye protectors should be used in order to avoid exposure.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information:

Appearance: White paste  
Odour: No odour

### Important health, safety and environmental information:

pH: 12.4  
Flash point: No data  
Explosive properties: No data  
Vapour pressure: No data  
Water solubility: Mixable  
Vapour density: No data  
Partition coefficient: n-octanol/water: No data  
Boiling point/interval: No data  
Flammability (solid/gas): No data  
Oxidising properties: No data  
Density: No data  
Solubility in organic solvents: Insoluble  
Evaporation rate: No data  
Viscosity: No data

## 10. STABILITY AND REACTIVITY

Conditions to avoid: -  
Materials to avoid: Strong acids, anhydrides and nitro compounds  
Hazardous decomposition products: -

## 11. TOXICOLOGICAL INFORMATION

### Dangerous –to-health effects and symptoms related to:

Inhalation: -

Ingestion: The product is corrosive and has a pH-value of 12.4. Causes burns.

Skin contact: The product is corrosive and has a pH-value of 12.4. Causes burns.

Eye contact: The product is corrosive and has a pH-value of 12.4. Causes burns.

## 12. ECOLOGICAL INFORMATION

Ecotoxicity: LD50 (oral, rat): 7 340 mg/Kg.  
Persistence and degradability: Not degradable.  
Bioaccumulative potential: -  
Other adverse effects: -

## 13. DISPOSAL CONSIDERATIONS

**Contaminated packaging:** Should be disposed of in accordance with local regulations and national legislation.

**Product:** Should be disposed of in accordance with local regulations and national legislation.

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## 14. TRANSPORT INFORMATION

**UN-No:** 3266.

**Class:** 8.

**Packaging group:** III.

**IMDG:** EMS: 8-15. MFAG: 760. Page: 8147. Marine Pollutant: D.

Packages containing < 24 Kg are not considered as dangerous cargo.

## 15. REGULATORY INFORMATION

**Symbol:**



**Categories of danger:** C, Corrosive.

**Risk Phrases:** R41 Risk of serious damage to eyes

**Safety phrases:** S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

**Further information:** This product meets the demands MDD 93/42/EEC. The product code is CE-marked.

## 16. OTHER INFORMATION

**R-phrases referred to under heading 2:** R34 Causes burns.

**Sources of key data:** Swedish National Chemicals Inspectorate, Swedish Work Environment Authority, Eur-Lex European Union law. National Institute for Occupational Safety and Health (NIOSH). Occupational Safety and Health Administration (OSHA).

**The safety data sheet is revised in order to:** --

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