SAFETY DATA SHEET

Product name: **CALASEPT**

SDS Drawn up: 1998-04-01 SDS Revised: 2007-08-01

1. Identification of the substance / preparation and of the company

Trade name: **CALASEPT**
Chemical name: Sterile calcium hydroxide with radiopacity
Field of application: Temporary root filling, isolation
Supplier: **Nordiska Dental AB**
Postal address: Box 1082 Telephone no: +46 431 443 360
Postcode and town: S-262 21 Ängelholm Fax no: +46 431 443 399
Country: Sweden E-mail: mail@nordiskadental.se
Emergency telephone: +46 431 443 360 Contact: Ewa-Lotte Pedersen

2. Hazards identification

Classification: Corrosive (C, R34).
Adverse physicochemical effects: Corrosive. The product has a 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	40-50	C	R34
Barium sulphate	7727-43-7	231-784-4	5-10	-	-
Ringer solution	-	-	40-50	-	-

*Symbol letters and categories of danger: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Very flammable, N=Dangerous for the environment
** The full text of the phrase is listed under heading 16.

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.
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, resulting gases:-
Special protective equipment:-
Further information: The 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 practises.
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^3 (total) 5 mg/m^3 (resp). NIOSH Recommended Exposure Limit (REL): TWA 5 mg/m^3. Barium sulphate: OSHA PEL: TWA 15 mg/m^3 (total) TWA 5 mg/m^3 (resp). NIOSH REL: TWA 10 mg/m^3 (total) TWA 5 mg/m^3 (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.

Occupational exposure controls:

- **respiratory protection:**-
- **hand protection:** Protective gloves should be used in order to avoid exposure.
- **eye protection:** Eye protectors should be used in order to avoid exposure.
- **skin protection:**-

Environmental exposure controls:-

9. Physical and chemical properties

General information:

- Appearance: White paste.
- Odour: No odour.

Important health, safety and environmental information:

· pH:	12,4	· Boiling point/interval:	-
· Flash point:	-	· Flammability (solid, gas):	-
· Explosive properties:	-	· Oxidising properties:	-
· Vapour pressure:	-	· Density:	-
· Water solubility:	Mixable.	· Solubility in organic solvents:	Insoluble.
· Vapour density:	-	· Evaporation rate:	-
· Partition coefficient: n-octanol/water:	-	· Viscosity:	-

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.

Mobility:-

Persistence and degradability: Not degradable.

Bioaccumulative potential:-

Other adverse effects:-

13. Disposal considerations

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

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

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

Health, safety and environmental information shown on the label:

· **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 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: meet the demands of the directive in REACH 1907/2006/EC.

The information in this safety data sheet is based upon our present knowledge. The information is presented with the intention of describing the safest way of handling the product. The safety data sheet is therefore not to be regarded as a complete chemical description of the product. Consequently, the user is responsible for making sure that the product is meant to be used in the actual field of application and that it serves the purpose intended.