

SAFETY DATA SHEET

Product name: CERANA

SDS Drawn up: 1996-09-09 SDS Revised: 2010-01-04

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

Trade name: CERANA
Chemical name:
Field of application: Ceramic dental filling material
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:-
Adverse physicochemical effects:-
Adverse human health effects:-
Adverse environmental effects:-

3. Composition / information on ingredients

Component	CAS-no	Einecs-no	Content (%)	Symbol letters*	R-phrases**
Silicon dioxide	7631-86-9	231-545-4	60	-	-
Aluminium oxide	1344-28-1	215-691-6	15	-	-
Potassium oxide	12136-45-7	235-227-6	11	-	-
Sodium oxide	1313-59-3	215-208-9	6	-	-
Metal oxide	-	-	6	-	-
Boron oxide	1303-86-2	215-125-8	2	-	-

*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:-

Eye contact:-

Ingestion:-

Further information: Get medical attention in case of uncertainty. Please show this safety data sheet to the doctor on duty.

5. Fire-fighting measures

Suitable extinguishing media: All 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:-

Environmental precautions:-

Methods for cleaning up: Collect mechanically. Spillage should be collected in a suitable container.

7. Handling and storage

Handling: The product should be handled in accordance with strict hygiene practises.

Storage: In a dark and dry place. Recommended storage temperature not > 25°C.

8. Exposure controls / personal protection

Exposure limit values: Silicon: OSHA Permissible Exposure Limit (PEL): Time Weighted Average (TWA) 15 mg/m³ (total) TWA 5 mg/m³ (resp). NIOSH Recommended Exposure Limit (REL): TWA 10 mg/m³ (total) TWA 5 mg/m³ (resp) (as Si). Aluminium: OSHA PEL: TWA 15 mg/m³ (total) TWA 5 mg/m³ (resp). NIOSH REL: TWA 10 mg/m³ (total) TWA 5 mg/m³ (resp) (as Al). Boron oxide: OSHA PEL: TWA 15 mg/m³. NIOSH REL: TWA 10 mg/m³ (as B₂O₃).

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:-**
- **eye protection:-**
- **skin protection:-**

Environmental exposure controls:-

9. Physical and chemical properties

General information:

- Appearance: Whitish inlays.
- Odour: No odour.

Important health, safety and environmental information:

- | | | | |
|---|------------|-----------------------------------|-------------------------------|
| · pH: | - | · Boiling point/interval: | - |
| · Flash point: | - | · Flammability (solid, gas): | - |
| · Explosive properties: | - | · Oxidising properties: | - |
| · Vapour pressure: | - | · Density: | 2,4 g/cm ³ (20°C). |
| · Water solubility: | Insoluble. | · Solubility in organic solvents: | - |
| · Vapour density: | - | · Evaporation rate: | - |
| · Partition coefficient: n-octanol/water: | - | · Viscosity: | - |

10. Stability and reactivity

Conditions to avoid:-

Materials to avoid:-

Hazardous decomposition products:-

11. Toxicological information

Dangerous-to-health effects and symptoms related to:

- **inhalation:-**
- **ingestion:-**
- **skin contact:-**
- **eye contact:-**

12. Ecological information

Ecotoxicity:-

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

Not regulated.

15. Regulatory information

Health, safety and environmental information shown on the label:

- **Symbol:** None.
- **Categories of danger:** None.
- **Risk phrases:** None.
- **Safety phrases:** None.

Further information: Safety Data Sheet according to REACH EC 1907/2006. Classification, labelling and packing of substances and mixtures (CLP) EC 1272/2008.

This product meets the demands of ISO 6872 and MDD 93/42/EEC. The product is CE-marked.

16. Other information

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.