

# SAFETY DATA SHEET

**Product name:** NOBETEC LIQUID

SDS Drawn up: 2002-11-26 SDS Revised: 2007-08-01

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

**Trade name:** NOBETEC LIQUID  
**Chemical name:** -  
**Field of application:** Dental temporary cement  
**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:** Harmful (Xn, R22). Irritant (Xi, R43).

**Adverse physicochemical effects:** Development of hazardous combustion gases or vapours in the event of intense heating.

**Adverse human health effects:** Harmful if swallowed, may cause e.g. nausea, vomiting, diarrhoea, ataxia (impaired locomotor coordination), muscular weakness, spasms, insomnia. Skin contact may cause skin sensitization.

**Adverse environmental effects:-**

## 3. Composition / information on ingredients

Component	CAS-No	Einecs-No	Content (%)	Symbol letters*	R-phrases**
Eugenol	97-53-0	202-589-1	30-70	Xn	R22
Canada balsam	8007-47-4	232-362-2	30-70	-	-
Peruvian balsam	8007-00-9	232-352-8	5-10	Xi	R43

\*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:** Fresh air, rest and keep warm.

**Skin contact:** Remove contaminated clothing. Wash off with plenty of water. Get medical attention in case of persistent symptoms.

**Eye contact:** Keep the eyelids wide apart and flush with plenty of water for at least 15 minutes. Get medical attention in case of persistent symptoms.

**Ingestion:** Drink plenty of water. Induce vomiting, provided that the person is fully conscious. 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:** Powder or foam.

**Extinguishing media which must not be used:-**

**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:** Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

**Special protective equipment:** Protective equipment in compliance with national regulations.

## 6. Accidental release measures

**Personal precautions:** Avoid substance contact. Do not inhale vapours/aerosols. Avoid generation of dusts; do not inhale dusts.

**Environmental precautions:** Do not allow to enter sewerage system.

**Methods for cleaning up:** Take up with inert liquid-absorbent material. Clean up affected area. Spillage and waste from the cleaning-up procedure should be disposed of according to local regulations and national legislation.

## 7. Handling and storage

**Handling:** The product should be handled with care and in accordance with strict hygiene practises. Avoid inflicting damage on the packaging.

**Storage:** Keep in a tightly closed container, stored in a dry, well ventilated area. Recommended storage temperature < 25°C. Avoid inflicting damage on the packaging. Keep away from sources of ignition and heat.

## 8. Exposure controls / personal protection

**Exposure limit values:-**

**Exposure controls:** All work should take place in well ventilated areas, and 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. Avoid substance contact. Do not inhale vapours/aerosols/dusts. See also heading 7. Handling and storage.

**Occupational exposure controls:**

- **respiratory protection:** Protective measures, e.g. a mask, could be needed.
- **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:** Protective clothing should be used in order to avoid exposure.

**Environmental exposure controls:-**

## 9. Physical and chemical properties

**General information:**

- Appearance: Dark liquid.
- Odour: Spicy odour.

**Important health, safety and environmental information:**

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

## 10. Stability and reactivity

**Conditions to avoid:** Intense heat.

**Materials to avoid:-**

**Hazardous decomposition products:-**

## 11. Toxicological information

**Dangerous-to-health effects and symptoms related to:**

- **inhalation:** Irritations of the mucous membranes, coughing and dyspnoea. Drowsiness.
- **ingestion:** May cause e.g. nausea, vomiting, diarrhoea, ataxia (impaired locomotor coordination), muscular weakness, spasms, insomnia.
- **skin contact:** May cause irritations. Recurrent exposure to Peruvian balsam may cause skin sensitization.
- **eye contact:** May cause irritations.

## 12. Ecological information

**Ecotoxicity:** Eugenol: LC<sub>50</sub> (P. promelas): 24 mg/L/96 h. LC<sub>50</sub> (inhalation, rat): > 2580 mg/m<sup>3</sup>/4 h. LD<sub>50</sub> (oral, rat): 1930 mg/Kg. Canada balsam: LD<sub>50</sub> (oral, rat): > 5000 mg/Kg. Peruvian balsam: LD<sub>50</sub> (dermal, rabbit): > 10000 mg/Kg. LD<sub>50</sub> (oral, rat): 2360 mg/Kg.

**Mobility:-**

**Persistence and degradability:-**

**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 subject to transport regulations.

#### 15. Regulatory information

**Health, safety and environmental information shown on the label:**

· **Symbol:**



· **Categories of danger:** Xn, Harmful. Xi, Irritant.

· **Risk phrases:** R22 Harmful if swallowed.

R43 May cause sensitization by skin contact.

· **Safety phrases:**

S24/25 Avoid contact with skin and eyes.

S37 Wear suitable gloves.

S46 If swallowed, seek medical advice immediately and show this container or label.

#### 16. Other information

**R-phrases referred to under heading 2:**

R22 Harmful if swallowed.

R43 May cause sensitization by skin contact.

**Sources of key data:** Swedish National Chemicals Inspectorate, Swedish Work Environment Authority, Eur-Lex European Union law.

**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.