

# MATERIAL SAFETY DATA SHEET

## Tubulitec Cavity Liner

Date of issue: 2013-02-04

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Replaces date: 2012-12-19

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

PRODUCT NAME:	Tubulitec Cavity liner
TYPE OF PRODUCT:	Dental Product. For insulation of dental cavities.
MANUFACTURER:	Dental Therapeutics AB
ADDRESS:	Paviljongvägen 3-5
POSTAL ADDRESS:	SE-132 40 Saltsjö-Boo
TELEPHONE:	+46 8 7168141
TELEFAX:	+46 8 7182175
INFORMATION ISSUED BY/CONTACT PERSON:	Kenneth Larsson

### 2. Hazards Identification

HIGHLY FLAMMABLE.  
RISK OF SERIOUS EYE DAMAGE.  
IRRITATING TO SKIN.

### 3. Composition /Information on ingredients

No:	Name:	CAS-nr:	Conc:	Classification:	R-phrases
1	Ehtyl acetate (C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> )	141-78-6	80%	F	11,36,66,67
2	Calcium Hydroxide	1305-62-0	5%	Xi	41
3	Zink oxide	1314-13-2	5%	N	50/53
4	Calcium oxide	1305-78-8	1%	Xi	41
5	Diioddithymol	552-22-7	1%	Xi	36/38

T+= Very toxic. T=Toxic. C= Corrosive, Xn= Harmful, Xi= Irritating, N = Dangerous to the environment E= Explosive, O= Oxidising, F+= Extremely flammable, F= Highly Flammable,

### 4. First aid measures

**After inhalation:** Fresh air. If symptoms remains seek medical advice.  
**After skin contact:** Wash of with soap and water.  
**After ingestion:** Avoid vomiting. Make victim drink lemon juice, table vinegar, or raw eggs mixed into milk, followed by plenty of water. Seek medical advice.  
**After eye contact:** Rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. If symptoms remains, seek medical advice.

### 5. Fire-fighting measures

**Suitable extinguishing media:** Powder, foam.  
**Extinguishant:** Carbon dioxide, powder for liquid.  
**Special risk:** Combustible. Vapour heavier than air. Formation of explosive mixtures possible with air. Keep away from sources of ignition. Take measures to prevent electrostatic charging.

### 6. Accidental release measures

**Person-related precautionary measures:** Do not inhale vapours. Room temperature vapours can form explosive mixtures with air. Be aware of the risk of explosion.  
**Procedures for cleaning/absorption:** Take up with liquid absorbent material. Forward for disposal. Clean up.

### 7. Handling and storage

**Handling:** No further requirements.  
**Storage:** Tightly closed. In well-ventilated place. Keep away from sources of ignition and heat. At room temperature.

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### 8. Exposure controls/personal protection

Name:	CAS-No:	Max allowable conc. :
Ethyl acetate	141-78-6	1500 mg/m <sup>3</sup>
Zinc Oxide	1314-13-2	5mg/m <sup>3</sup>
Calcium Oxide	1305-78-8	5mg /m <sup>3</sup>

**Specific control parameter:** Possibilities to eye flush near the work place.

**Eye protection:** Required

**Hand Protection:** Required

**Skin Protection:** Wear suitable protecting clothes.

### 9. Physical and chemical properties

<b>Form:</b> Liquid	
<b>Colour:</b> Yellow-brown	
<b>Odour:</b> Pleasant fruit-like	
<b>Melting temperature:</b> -83 degr. C°	<b>Boiling temperature:</b> +77 degr. C°
<b>Density:</b>	<b>Flash point:</b> -5 degr.C°
<b>Explosion limits:</b> %--%: 2,1-11,5 vol%	<b>pH value:</b> 7,3
<b>Vapor pressure:</b> 9,7 kPa	<b>Solubility in Water:</b> none

### 10. Stability and reactivity

**Conditions to be avoided:** None

**Substances to be avoided:** Alkali metals, hydrides, strong oxidizing agents, water with air and light.

**Hazardous decomposition products:** Ethanol, acetic acid

### 11. Toxicological information

#### Acute toxicity:

Ethyl Acetate:	LD50 (oral, rat): 5620 mg/kg
Calcium Hydroxide:	LD50 (oral, rat): 7340 mg/kg
Diiodidtymol:	LD50 (oral, rat): 950 g/kg

#### Further toxicological information:

**After ingestion and inhalation:** Mucosal irritations, lack of appetite, headache. In high concentrations: salivation, nausea, vomiting, narcosis, respiratory paralysis.

**After skin contact:** Degreasing effects on the skin, possibly followed by secondary inflammation. After long-term exposure: sensitization with allergic manifestations.

### 12. Ecological information

#### Biologic degradation:

**Biologic degradability:** Good

**Exotoxic effects:** When used properly, no impairments in the function of waste-water-treatment plants are to be expected.

**Toxic for aquatic organisms:** Fish: LC50:333 mg/l.

**Further ecologic data:** Product reacts with water: fish EC0:50 mg/l (acetic acid)  
Do not allow entering drinking water supplies, waste water, or soil!

### 13. Disposal considerations

Contact waste disposal companies that will advise you how to dispose of special waste.

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### 14. Transport information

ADR/RID (land/railroad)
UN no: 1173
Class: 3, 3b
IMGD (Sea)
UN no: 1173
Class: 3.2
Packaging group: II
ICAO-IATA and IATA-DGR (air)
UN no: 1173
Class: 3
Packaging group: II

### 15. Regulatory information

Labelling according to Council Directive 93/42/EEC Annex V and the standards EN ISO 9002 and EN 46002.

**Symbol:** F, Xi

**Classification:** Highly flammable, Irritating.

**R-phrases:** 11, 41, 36/38, 50/53 Highly flammable, Risk of serious damage to eye. Irritating to eyes and skin.

**S-phrases:** 16-23-29-33 Keep away from sources of ignition – No smoking. Do not breathe vapor. Do not empty into drains. Take precautionary measures against static discharges.

Ethyl Acetate EEC-No: 205-500-4  
CAS-No: 141-78-6

**THE BOTTLE CONTAINS 10 ML**

### 16. Other information

#### ONLY FOR PROFESSIONAL DENTAL USE

The glass container and the cap is both recyclable.

The information above is believed to be accurate and represents the best information currently available to us.

Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages.