YETI Dentalprodukte GmbH According to 1907/2006/EG, article 31

# **COBAVEST Special Liquid**

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Identification of the substance or preparation: COBAVEST Special-Liquid/ Art.941-1000

**Use of the substance/preparation:** Expansion Liquid for investment material

Company/undertaking identification: YETI Dentalprodukte GmbH

Industriestr.3 78234 Engen GERMANY

**Technical information:** Application technique Tel. +49(0)7733-94100

**Telephone / fax / email:** +49(0)7733-94100 / +49(0)7733-941022

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**Emergency telephone:** +49 7733-9410-0 (Mo.-Thu. 8.00 –16.30, Fr.8.00 – 14.30)

#### 02. HAZARDS IDENTIFICATION

#### Hazard identification and hazards to man and the environment

Product acts as base (pH: ~10) and is therefore irritant to skin by longer exposure.

# 03. COMPOSITION/INFORMATION ON INGREDIENTS

### **Chemical characterization**

Aqueous solution of colloid silicic acid

#### Hazardous ingredients

Chemical name Concentration CAS No. Index No. R phrases Hazard symbols

[% by weight]

Silica sol 20-40 7631-86-9

Formaldehyde < 0,05 50-00-0

# Ingredients with EC concentration limits

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Please see chapter 16. OTHER INFORMATION for the wording of the above mentioned R phrases.

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#### **04. FIRST AID MEASURES**

#### Inhalation

#### Eye contact

Rinse the opened eye with plenty of water for 15 minutes.

#### Skin contact

Wash areas in contact with soap and water.

#### Ingestion

Don't try to induce vomiting, seek for medical assistance.

#### 05. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

No restrictions in case of surrounding fire.

Extinguishing media which shall not be used for safety reasons

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

Not flammable.

Special protective equipment for fire-fighters

-

#### **06. ACCIDENTAL RELEASE MEASURES**

# Personal precautions and methods for cleaning up

Builds slippery films, therefore absorb mechanically immediately and rinse the rests with plenty of water.

# **Environmental precautions**

Please see chapters 08. EXPOSURE CONTROLS/PERSONAL PROTECTION and 13. DISPOSAL CONSIDERATIONS

#### 07. HANDLING AND STORAGE

#### Precautions for safe handling and conditions for safe storage

Product acts as base (pH: ~10) and is therefore irritant to skin by longer exposure.

Prevent from freezing. Store the liquid above +5°C.

### **08. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Occupational exposure limit values and/or biological limit values

#### Minimisation of exposure and exposure control

#### a) Equipment for individual protection

The type of equipment for individual protection has to be chosen according to concentration and quantity of hazardous compounds.

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Respiratory protection Hand protection

Protective gloves

Eye protection Body protection

goggles No protective suite or boots are necessary, if

the product is used as indicated.

# b) Specific hygiene measures

The usual protective measures for handling chemical substances have to be observed.

# c) Environmental exposure controls

Please see chapters 06. ACCIDENTAL RELEASE MEASURES and 07. HANDLING AND STORAGE. No further methods are required.

#### 09. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** 

Physical state: liquid
Colour: white
Odour: odourless

#### Important health, safety and environmental information

Lower explosive limit :Vol%Upper explosive limit :Vol%Vapour pressure : ( 20 °C )20 mbarVapour pressure : ( 50 °C )mbarDensity : ( 20 °C )1,09-1,35 g/cm³Bulk density : ( 20 °C )g/cm³

Viscosity: ( 20 °C ) <20 (dynamic)

mPa•s

Water solubility: ( 20 °C ) completely pH value (20 °C) approx.

10

Boiling point / range: approx. 100°C Setting point: (1013 hPa) °C

(1013 mbar)

Melting point:

°C

Solidification point:

°C

Flash point:

Not applicable

Ignition temperature:

Not

applicable

Additional physical and chemical properties are not available.

#### 10. STABILITY AND REACTIVITY

#### Conditions to avoid

Thermal decomposition: water vapour from approx. 100°C

# Materials to avoid

Acts as a base.

# Hazardous decomposition products

None when used according to determinations.

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#### 11. TOXICOLOGICAL INFORMATION

The toxicological classification of the preparation was made according DIRECTIVE 1999/45/EC. According to the experience of the producer there have no further hazards to be expected.

Conclusion from test data

**Conclusion from experience** 

No data available

Information on ingredients

No data available

LD50 (oral, rat): mg/kg LD50 (inhal., rat): mg/l/4h (IUCLID)

(IUCLID)

Eye of Rabbit: irritant Skin of rabbit (24 h): Slightly irritant

12. ECOLOGICAL INFORMATION

**Ecotoxicity** 

TOC value: - CSB value:

Acute bacterial Bacteria in activated Acute toxicity Zebra danio

toxicity: sludge EC50 = on fishes: (Brachhydanio rerio) LC0:

>10000mg/l 5000 mg/l

Mobility Persistence and degradability

No data available No data available

Bioaccumulative potential Results of PBT assessment

No data available

Other adverse effects

No data available

#### 13. DISPOSAL CONSIDERATIONS

No data available

Substance/Preparation and waste code according to waste-list regulation (AVV).

Can be drained into sewerage in sufficient thinning observinglocal regulations. Emptied packages can be diposed of at waste site.

**Recommendation:** Clarify exact waste code with local disposal authorities.

#### 14. TRANSPORT INFORMATION

No dangerous good according to general transport regulations.

Sensitive to temperatures below +°5C.

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# 15. REGULATORY INFORMATION

## **Label according to EC Directive**

Symbols and indications of danger Determinant ingredient for labelling

contains:

R phrases

S phrases

#### **Other information**

No dangerous good for transport, sensitive to temperatures below +5°C and above +35°C.

#### **EC Regulations**

No labelling necessary according to EU regulations.

#### Safety assessment

A safety assessment of ingredients of this preparation was not performed.

### **National regulations**

#### Water hazard class

0 - not hazardous to water according to VwVwS, Annex 4 (Germany)

#### **16. OTHER INFORMATION**

## Included EC Directives / Regulations

Preparation Directive 1999/45/EC, lastly changed by Directive 2006/8/EC Substance Directive 67/548/EC, lastly changed by directive 2006/121/EC REACH regulation (EC) No. 1907/2006

#### Recommendations for use-restriction by the supplier

Only for professional, industrial use – not for public, non-professional use.

# R phrases, which are mentioned in chapter 3

References: http://www.baua.de

http://www.arbeitssicherheit.de

The information given is based on our actual state of knowledge. The safety data sheet describes the product regarding safety requirements. The indications do not have the meaning of guaranties on properties. Not completed columns indicate that data are not available. Therefore they don't induce the presumption that there are no dangers in this column. The indications don't establish any legal relationship.

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