

EG – Safety Data Sheet

YETI Dentalprodukte GmbH

According to 1907/2006/EG, article 31

YETI-Expansion-Liquid

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

Identification of the substance or preparation: **YETI-Expansion-Liquid Art.955-1000**

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

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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 [% by weight]	CAS No.	Index No.	R phrases	Hazard symbols
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.

Dokument:	Erstellt am/von:	geändert am/von:	Revision:	freigegeben am/von:	Seitenzahl:
Vorlage:	09.06.2009/JB	26.06.2015	02	26.06.2015	1-12
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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

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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.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values and/or biological limit values

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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

goggles

Body protection

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 :

colourless

Odour :

odourless

Important health, safety and environmental information

Lower explosive limit :

Vol%

Upper explosive limit :

Vol%

Vapour pressure : (20 °C)

20 mbar

Vapour pressure : (50 °C)

mbar

Density : (20 °C)

g/cm³

Bulk density : (20 °C)

g/cm³

Viscosity: (20 °C)

<20 (dynamic)

mPa•s

Water solubility: (20 °C)

mixable g/l

pH value (20 °C)

approx.

10

Boiling point / range : (1013 mbar)

approx. 100°C

Setting point: (1013 hPa)

°C

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

No data available

Conclusion from experience

No data available

Information on ingredients

LD50 (oral, rat): mg/kg
(IUCLID)

Eye of Rabbit: irritant

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

Skin of rabbit (24 h): Slightly irritant

12. ECOLOGICAL INFORMATION

Ecotoxicity

TOC value:

-

Acute bacterial toxicity:

Bacteria in activated
sludge EC50 =
>10000mg/l

CSB value:

-

Acute toxicity on fishes:

Zebra danio
(Brachydanio rerio) LC0:
5000 mg/l

Mobility

No data available

Bioaccumulative potential

No data available

Other adverse effects

No data available

Persistence and degradability

No data available

Results of PBT assessment

No data available

13. DISPOSAL CONSIDERATIONS

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

Can be drained into sewerage in sufficient thinning observing local regulations. Emptied packages can be disposed of at waste site.

Recommendation: Clarify exact waste code with local disposal authorities.

14. TRANSPORT INFORMATION

Transport by road / rail ADR/RID

Class :

UN number:

Proper shipping name:

Packing Group: -

Transport by sea IMDG/GGVSee

IMDG code :

UN number :

EmS:

Marine Pollutant: -

Proper shipping name:

Packing Group: -

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Transport by air ICAO-TI and IATA-DGR

Class :

Proper shipping name:

UN number :

Packing Group:

-

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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