

# EG – Safety Data Sheet

YETI Dentalprodukte GmbH

According to 1907/2006/EG, article 31

## Silicone & wax relaxants

### SECTION 1: Identification of the substance or mixture and the company

#### 1.1 Product identifier: wetting agent, blue-transparent

Article number: 142-0000 / 142-1000

#### 1.2 Relevant identified uses of the substance or mixture and uses which are discouraged.

net-and Relaxant for dental waxes

#### 1.3 Details of the supplier providing the safety data sheet

YETI Dental Products GmbH

Industriestrasse 3

D-78234 Engen Germany

#### Department providing information:

Tel. +49 7733-9410-0 Fax. +49 7733-9410-22 (Mon-Thu 8:00-16:30, Fri.8:00-15:00) info@yeti-dental.com labor@yeti-dental.com

#### 1.4 Emergency number:

Tel.: +49 77 33 – 94 10-0 Fax: +49 77 33 94 10-22 (Mon-Thu 8:00-16:30, Fri.8:00-15:00)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

The product is not classified according to the CLP regulation

Hazard categories: 2-Propanol forms highly flammable vapour-air mixtures.

Contact causes irritation of the eyes and mucous membranes

STOT once. 3 Hazard Statements: Highly flammable liquid and vapour. May cause drowsiness and dizziness

#### 2.2. marking elements

Labeling according to Regulation (EC) No. 1272/2008 is not applicable

Hazard pictograms: not applicable

Signal word: not applicable

Hazard warnings: not applicable

#### Particular hazard warnings for humans and the environment:

H225 Highly flammable liquid and vapour.

H319 causes serious eye irritation.

H336 May cause drowsiness and dizziness.

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## safety instructions

P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. Do not smoke.

P233 Keep container tightly closed.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. If possible, remove contact lenses. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

## 2.3 Other hazards Results of PBT and vPvB assessment

PBT: not applicable

vPvB: not applicable

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Description: Mixture of substances listed below with harmless additions

CAS no.	Designation			Share
	EC no.	index no.	REACH no.	
67-63-0	2-propanol; isopropyl alcohol; isopropanol			
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			5-10%

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

No special actions required.

#### After inhalation

Provide fresh air. In case of irritation of the respiratory tract or breathing difficulties, consult a doctor. If the casualty is unconscious, place the casualty in a stable lateral position.

#### after skin contact

Wash with soap and lots of water. In general, the product is not a skin irritant.

#### After eye contact

Remove contact lenses. Rinse immediately with plenty of water, also under the eyelid, for at least 15 minutes. Ophthalmological treatment.

#### After swallowing

Do not induce vomiting. Rinse your mouth and drink plenty of water. Never give anything by mouth to an unconscious person. Consult doctor immediately. Do not allow neutralizing agent to drink.

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## 4.2. Most important symptoms and effects, both acute and delayed

In case of inhalation/eye contact: In high concentrations, irritation of the mucous membranes, narcotic effect, as well as impairment of the reaction time and the sense of coordination possible. Long-term inhalation of high vapor concentrations can cause headaches, dizziness, nausea, etc.

## 4.3. Indications of immediate medical attention or special treatment

If you are unconscious, call an ambulance.

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## SECTION 5: Firefighting measures

### 5.1. extinguishing agent

Suitable extinguishing media Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water spray

### jet. Unsuitable extinguishing

media full water jet

### 5.2. Special hazards arising from the substance or mixture

Fire may produce carbon monoxide and carbon dioxide. Vapors are heavier than air and spread along ground. Flashback possible over long distances.

### 5.3. Advice for firefighting

Use self-contained breathing apparatus. protective clothing.

### Additional information

The vapour-air mixture is explosive, even in empty, uncleaned containers. Risk of container bursting. Cool endangered containers with water spray jet. Fire residues and contaminated extinguishing water must be disposed of in accordance with local official regulations.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective clothing. Bring unprotected people to safety. Keep away from heat and sources of ignition. Avoid contact with skin and eyes.

### 6.2 Environmental Protection Measures

Do not allow to enter drains/surface water/ground water.

### 6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. sand, silica gel, acid binder, universal binder). Pick up and place in suitable container for disposal. Use explosion-proof devices/fittings and non-sparking tools.

### 6.4 Reference to Other Sections

No release of hazardous substances

Observe protective regulations (see sections 7 and 8). Disposal information see section 13.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### advice for safe handling

Do not leave vessels/containers open. Comply with minimum standards according to TRGS 500.

General hygiene measures. When using do not eat, drink or smoke. Wash hands before breaks and at the end of work. Do not wear contaminated work clothing outside of the workplace.

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## 7.2. Conditions for safe storage, including any incompatibilities Requirements for storage rooms and containers

Provide a solvent-resistant and sealed floor. Provide floor pan without drain. Prevent any seepage into the ground. Store in the original container.

## Notes on storage together

Keep away from food, drink and animal feedingstuffs. Do not store together with oxidizing and self-igniting substances. Do not store together with the following substances: medicines, substances which form flammable gases with water, organic peroxides.

## Further information on storage conditions

Recommended storage temperature: Store at room temperature in a cool, dry place. Further information on storage conditions.

## 7.3. Specific End Uses

Surface relaxant for dental wax. prevention of delays.

## 8.1. Parameters to monitor

### Occupational exposure limits (TRGS 900)

CAS no.	Designation	ppm	mg/m <sup>3</sup>	F/m <sup>3</sup>	peak limitation
67-63-0	propan-2-ol	200	500		2(II) DFG; Y

### Biological limit values (TRGS 903)

CAS no.	Designation	Parameter	Limit	Examination Material	Sample Time
67-63-0	propan-2-ol acetone		25 mg/l	Whole blood/urine	End of exposure/shift

## 8.2 Exposure controls Appropriate engineering controls

Technical measures and the use of suitable work processes have priority over the use of personal protective equipment. Ensure adequate ventilation. Ensure sufficient air exchange and/or exhaust in the work rooms. Observe TRGS 402 "Determining and assessing the risks associated with activities involving hazardous substances: Inhalative exposure must be observed.

### protection and hygiene measures

Do not breathe vapors. Avoid contact with eyes and skin. Wash hands before breaks and immediately after handling product. When using do not eat, drink or smoke. Take off contaminated or soaked clothing immediately.

### eye/face protection

Tight fitting safety goggles (EN 166).

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## handguard Protective

gloves (EN 374) Recommended glove material [material thickness, breakthrough time, kind/type]: Protection index 6, corresponding to 480 minutes permeation time according to EN 374: butyl rubber (butyl) - 0.7 mm layer thickness; e.g. the company KCL. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Depending on the application, different requirements may arise. Therefore, the recommendations of the protective glove supplier must also be taken into account. Observe the glove manufacturer's information on breakthrough times, paying particular attention to the conditions at the workplace such as mechanical stress and contact duration. The exact breakthrough time can be found out from the protective glove manufacturer and must be observed.

## body armor

Long-sleeved work clothing (EN 368). Wear body covering fire retardant protective clothing. Ensure electrostatic dissipation.

## respiratory protection

If the occupational exposure limit is exceeded, suitable respiratory protection must be worn. (Gas filter A1 (brown))

**Limitation and monitoring of environmental exposure** Do not empty into drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
depending	Colour:
Odor:	on coloring
	Characteristic

pH value (at 20 °C):	Not applicable
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#### Changes in the physical state

Melting point:	Not determined
Initial boiling point and boiling range:	82 °C
Sublimation temperature:	Not determined
Softening Point:	Not determined
Pour Point:	Not determined
Flash point:	66 °C
Combustibility:	No data available
Flammability of solid:	Not determined
Gas:	Not determined

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## explosion hazards

The product is not explosive, but the formation of explosive vapour/air mixtures is possible. Heating leads to an increase in pressure – risk of bursting.

Lower explosion limit:	2,0 %
by volume Upper explosion limit:	12 %
by volume Ignition temperature:	Not determined
autoignition temperature Solid:	Not determined
Gas:	Not determined
Decomposition temperature:	Not determined
oxidizing properties	
Vapor pressure: (at 20 °C)	23 hPa
Vapor pressure:	Not determined
Density (at 20 °C):	Not determined
Bulk Density:	Not determined
Water solubility: (at 20 °C)	Partially miscible
solubility in others solvents	Not determined
Partition coefficient:	Not determined
Dynamic viscosity:	Not determined
Viscosity:	Not determined
Flow time: (at 23 °C)	20 s 4
Vapor density:	Not determined
Evaporation Rate:	Not determined
Ignition temperature:	425°C
Organic solvent content	8.0%
Solvent content water	> 80%
Solid content	< 5%

## 9.2. Other Information

No further relevant information available

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## SECTION 10: Stability and reactivity

### 10.1. reactivity

No decomposition if stored and used as directed. Heating leads to an increase in pressure – risk of bursting.

### 10.2. Chemical Stability

Chemically stable.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known

### 10.4. Conditions to avoid

No further relevant information available

### 10.5. Incompatible materials

No further relevant information available

### 10.6. Hazardous decomposition products

There are no known hazardous decomposition products

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## 11.1. Information on toxicological effects Acute toxicity

Based on the available data, the classification criteria are not met • 5,050 mg kg<sup>-1</sup> (LD50, rat, oral)[2][6] • 12,800 mg kg<sup>-1</sup> (LD50, rabbit, transdermal)[2][7] □ 30 mg/l ([LC<sub>50</sub>](#), [Ratte](#), Inhalativ)<sup>[2][6]</sup>

## Irritant and corrosive effects

Based on the available data, the classification criteria are not met.  
causes serious eye irritation. Skin corrosion/irritation: Based on available data, the classification criteria are not met.

## Sensitizing Effects

Based on the available data, the classification criteria are not met.

## Carcinogenic, mutagenic and reprotoxic effects

Based on the available data, the classification criteria are not met.

## Specific target organ toxicity - single exposure

May cause drowsiness and dizziness. (ethyl acetate; n-butyl acetate)

## Specific target organ toxicity - repeated exposure

Based on the available data, the classification criteria are not met.

## aspiration hazard

Based on the available data, the classification criteria are not met.

## General remarks

Inhalation of high vapor concentrations can cause narcotic effects. Inhalation causes headache/nausea.

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## SECTION 12: Ecological information

### 12.1. toxicity

No data available.

The surfactants contained in this preparation meet the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

### 12.3. bioaccumulative potential

Not determined

### 12.4. mobility in soil

Not determined

### 12.5. Results of PBT and vPvB assessment

According to Regulation (EC) No. 1907/2006 (REACH), this product does not contain any PBT / vPvB substances.

### 12.6 other adverse effects

No data available.

## General information

Water hazard class 1 (self-assessment): slightly hazardous to water Do not allow undiluted product or large quantities of it to get into ground water, water bodies or the sewage system.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods Recommendation

#### Recommendation

If recycling is not possible, dispose of in compliance with local authority regulations. Contact the manufacturer or the disposal company for the waste key number.

#### Disposal of uncleaned packaging and recommended cleaning agents

Dispose of empty containers for local recycling, reclamation, or waste disposal. Contaminated packaging should be emptied as far as possible, after appropriate cleaning it can then be reused. Uncleaned empty containers are to be treated like the ingredient. Recommended cleaning agent: water, if necessary, with the addition of cleaning agents

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## SECTION 14: Transport information

- |   |                |
|---|----------------|
| 14.1. UN number:  | -              |
| 14.2. Proper<br>UN shipping name IMDG                     | —              |
| 14.3. Transport hazard classes:                           | -              |
| 14.4. Packing group:                                      | -              |
| 14.5 Environmental Hazards Marine pollutant:              | No             |
| 14.7 Transport in bulk<br>According to Annex II /IBC Code | not applicable |

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## SECTION 15: Regulatory information

### 15.1. Safety, health, and environmental regulations/legislation specific for the substance or Mixture. Labeling according to Regulation (EC) No.1272/2008

#### National regulations Major Accidents Ordinance:

The volume thresholds under the Major Accidents Ordinance must be observed

**Technical Instructions Air:** Class NK - share 8.0%

#### Additional information

Water hazard class 1 (self-assessment): slightly hazardous to water

### 15.2. chemical safety assessment

No chemical safety assessment has been carried out for this substance



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## SECTION 16: Other information

### Abbreviations and Acronyms

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG Code: International Maritime Code for Dangerous Goods

ICAO: International Civil Aviation Organization (IATA: International Air Transport Association)

GHS: Globally Harmonized System of Classification, Labeling and Packaging of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances (EU list of existing substances)

ELINCS: European List of Notified Chemical Substances

CAS No.: Chemical Abstracts Service (International Standard for Naming Chemicals)

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50% (lethal dose, 50%)

JArbSchG: Law for the Protection of Working Youth (Youth Labor Protection Law)

StörfallVO: Ordinance on the implementation of the Federal Immission Control Act (Störfall-Verordnung)

VwVwS: General administrative regulation for the Water Resources Act on the classification of substances hazardous to water in water hazard classes (administrative regulation for substances hazardous to water)

TRGS: Technical Rules for Hazardous Substances, Germany

### Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.

H319 causes serious eye irritation.

H336 May cause drowsiness and dizziness.

### More information

Some of the information in items 4 to 8 and 10 to 12 does not refer to the use and proper application of the product (see instructions for use/specialist information, if available), but to the release of larger quantities in the event of accidents and irregularities. The information only describes the safety requirements of the product(s) and is based on our current knowledge. The delivery specification can be found in the respective product data sheets. They do not constitute an assurance of the properties of the described product(s) within the meaning of the statutory warranty regulations. (n. a. - not applicable, n. b. - not determined)

(The data on the hazardous ingredients were taken from the most recent safety data sheet from the pre-supplier.)

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