

# Safety Data Sheet

# YETI Dental

according to Regulation (EC) No. 1272/2008 (REACH Regulation)

Print Date: January 30, 2025

Version: 3.0

Revised on: January 13, 2025

Replaces Version: 2.0 dated May 21, 2015

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## SECTION 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product Identifier

### 1.2 Bloc Paste – Light-Curing 3g Syringe (Art. 890-1200)

Light-curing block-out material for plaster dies and thermoformed splints

### 1.3 Relevant identified uses of the substance/mixture

One-component resin for model preparation in dentistry. For building up and supplementing prepared dies and models

### 1.4 Details of the manufacturer/supplier of the safety data sheet

YETI Dentalprodukte GmbH

Industriestr.3

DE-78234 Engen

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### 1.5 Emergency number +49 (0) 1784337434 (Consultant Lutz Harder GmbH)

## SECTION 2. Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Skin Sens.1 H317 – May cause an allergic skin reaction

Rep.1 A H360FD – May damage fertility. May cause harm to the unborn child

### 2.2 Label elements according to Regulation (EC) No. 1272/2008

Product pictogram(s) and signal word



**Danger**

Signal word: **Danger**

Hazard-determining component for labeling: None

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## Hazard statements:

H317 May cause an allergic skin reaction.

H360FD May damage fertility or the unborn child.

## Precautionary statements:

P280 Wear protective gloves, protective clothing/eye protection, and face protection.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Do not wear contaminated work clothing outside the workplace.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash before reuse.

P501 Dispose of contents in container.

## Disposal:

P501 Dispose of contents in container.

## 2.3 Other hazards / Endocrine disrupting properties

The product does not contain any substances, materials, or mixtures of substances that exhibit endocrine disrupting properties.

## SECTION 3. Composition / Information on ingredients

### 3.1 Substances

| Substances                        | CAS-Nr/EINECS/EG-Nr. | Gehalt (%) | Einstufung CLP/VO                                           |
|-----------------------------------|----------------------|------------|-------------------------------------------------------------|
| Triethylenglykoldimethacrylat     | 109-16-0/ 203-652-6  | 10-15      | H317-Skin-Sens 1B                                           |
| 2,2-Dimethoxy-2-phenylacetophenon | 24650-42-8           | <0,1       | H412-Aquatic Chronic                                        |
| Dimethylhydroxyacetophenon        | 7473-98-5/ 231-272-0 | 0,1-0,2    | H302-Acute Tox.4<br>H317-Skin Sens.1<br>H400-Aquatic Acute1 |
| Vinylester Harz (Acrylat)         | 55818-57-0           | 15-20      | H317-Skin Sens.1                                            |
| 2,2 Diethoxyacetophenon           | 6175-45-7/ 228-220-4 | 0,1-0,5    | H335-STOT SE3                                               |
| Campherchinon                     | 10373-78-1/233-814-1 | <0,1       | H319-Eye Irrit.2<br>H335-STOT SE3<br>H315-Skin.Irrit2       |
| 2-Ethylhexyl-4-benzoat            | 21245-02-3/244-289-3 | 0,1-0,2    | H319-Eye Irrit.2<br>H360-Repr.1                             |

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## SECTION 4. First aid measures

### 4.1 Description of first aid measures

#### After inhalation

If the product causes irritation of the respiratory tract, supply fresh air and ensure comfortable breathing. Consult a doctor.

#### After skin contact

In case of contact with skin (or hair), remove all contaminated clothing immediately. Wash skin with plenty of soap and water/shower. If skin irritation occurs, consult a doctor.

#### After eye contact

Remove contact lenses. Immediately rinse cautiously with plenty of water, holding the eyelids open, for several minutes. Consult an ophthalmologist.

#### After swallowing

Immediately rinse mouth thoroughly. Do not attempt neutralization. Consult a doctor.

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

Irritation of the eyes, skin, and respiratory tract. Possibility of serious eye damage.

### 4.3 Indication of any immediate medical attention and special treatment needed

If eye and respiratory tract irritation or skin irritation occurs, consult a doctor.

## SECTION 5. Firefighting measures

### 5.1 Extinguishing media

Suitable: Water spray, CO<sub>2</sub>, water, foam (alcohol-resistant), carbon dioxide, powder, spray mist. Unsuitable: Full water jet.

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

No known hazards from the product itself, its combustion products, or the resulting gases.

### 5.3 Advice for firefighters

Stay in the danger area only with self-contained breathing apparatus.

Cool endangered containers from a safe distance with water spray.

Contain escaping vapors with water.

Prevent extinguishing water from entering surface and groundwater, as well as the soil.

Avoid skin contact by wearing suitable protective clothing and maintaining a safe distance.

## SECTION 6. Accidental release measures

### 6. Accidental Release Measures

#### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation.

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## 6.2 Environmental protection measures

Prevent the product and large quantities of contaminated wash water from entering waterways and the soil. Cover drains to prevent penetration.

## 6.3 Methods and materials for containment and cleaning up

Collect material mechanically, cure in the light, and dispose of it in a hazardous waste disposal facility.

## 6.4 Reference to other sections

Observe protective measures in sections 7 and 8..

## SECTION 7. Handling and storage

### 7.1 Precautions for safe handling

#### Recommendations

Observe standard precautions when handling chemicals.

- Wear work clothing.
- Do not leave containers open.
- Observe minimum standards according to TRGS500. These include general hygiene measures such as:
  - Do not eat, drink, or smoke in work areas.
  - Wash hands thoroughly after handling.
  - Remove contaminated clothing/protective equipment before entering eating areas.

Fire and explosion protection:

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources; no smoking!

Keep containers tightly closed. Ground the filling system. Use only explosion-proof electrical equipment/ventilation/lighting systems. Use only non-sparking tools. Take precautionary measures against electrostatic discharges

### 7.2 Conditions for safe storage, including any incompatibilities

Information on storage conditions

Store material in a cool, dry place, protected from light and sealed (0-22°C).

Storage together with the following substances is prohibited:

- Pharmaceuticals, food, and animal feed
- Spontaneously flammable substances
- Substances that emit flammable gases when exposed to water
- Organic peroxides

### 7.3 Specific end use(s)

Wear disposable gloves when working with the material. Ensure good ventilation when sanding the material..

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## SECTION 8. Exposure controls/personal protection

### 8.1 Control parameters/components of workplace-related limit values to be monitored

PNCE and DNCL values, as they may need to be determined as part of a chemical safety report, are not available.

### 8.2 Exposure controls

Technical measures and the application of suitable work procedures take priority over the use of personal protective equipment. Ensure good ventilation. This can be achieved through local exhaust ventilation or general exhaust ventilation.

-Respiratory protection: Not required

-Protective clothing: Separate storage

-Eye protection: Wear safety goggles

-Hand protection: Wear suitable protective gloves, e.g., Ethiparat® gloves, for 5-10 minutes. Use of no-touch and minimal-contact techniques is recommended.

-Body protection: Wear standard work clothing

-Other protective measures: None

-Occupational hygiene: Observe standard occupational safety and hygiene measures

-Precautionary Skin protection: Wash hands and face thoroughly after work

## SECTION 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties / appearance

|                                   |                             |
|-----------------------------------|-----------------------------|
| Physical state:                   | pasty mass                  |
| Odor:                             | of acrylates, methacrylates |
| Vapor pressure (20°C)             | n/a                         |
| Flammability (solid/gas)          | n/a                         |
| Flash point (°C) 20°C             | n/a                         |
| Odor threshold                    | n/a                         |
| Solubility in water (20°C)        | n/a                         |
| Lower explosion limit             | n/a                         |
| Upper explosion limit             | n/a                         |
| Oxidizing properties              | n/a                         |
| pH value                          | n/a                         |
| Vapor density                     | n/a                         |
| Relative density                  | n/a                         |
| Initial boiling point/range (°C)  | n/a                         |
| Melting point/freezing point (°C) | n/a                         |
| Self-decomposition temperature    | n/a                         |
| Evaporation rate                  | n/a                         |
| Partition coefficient n-octanol   | n/a                         |
| Viscosity, flow time              | n. b.                       |

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|                                |      |
|--------------------------------|------|
| Decomposition temperature (°C) | n.a. |
| Ignition temperature           | n.a. |
| Explosive properties:          | n.a. |

n.a. = not determined

n.a. = not applicable

## 9.2 Other information:

No further data have been determined.

## SECTION 10. Stability and reactivity

### 10.1 Reactivity

No decomposition when used as directed. Strong heating should be avoided. The material may polymerize slowly when exposed to sunlight and light.

### 10.2 Chemical Stability

The product is chemically stable under the described ambient conditions.

### 10.3 Potential Hazardous Reactions

Excessive heat release during slow polymerization of the material does not occur.

### 10.4 Conditions to Avoid

To avoid premature slow polymerization, protect from heat, sunlight, and light.

### 10.5 Incompatible Materials

Product polymerizes slowly when in contact with radical generators.

### 10.6 Hazardous Decomposition Products

None when used as directed.

### 10.7 Thermal Decomposition

None when used as directed.

#### Further Information:

The product may polymerize slowly with slight heat release if the storage time and/or the recommended storage temperature are significantly exceeded.

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## SECTION 11. Toxicological information

**Acute toxicity:** The mixture is estimated based on the ingredients; it is not acutely toxic.

**Skin:** May cause skin irritation.

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

**Respiratory system:** May cause respiratory irritation.

**Sensitization:** Exposure may cause sensitization through skin contact.

**Repeated toxicity:** No toxicity known from repeated doses.

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

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

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

**Toxicokinetics:** According to the new REACH safety data sheet,

**information on toxicokinetics, metabolism, and distribution of the substance in the body must be listed here.**

**We do not have any information on this.**

**Other:** When handled properly and used as intended, the product has no harmful effects based on our experience.

**Endocrine disrupting properties:**

The product does not contain any substances, materials, or mixtures of substances that exhibit endocrine disrupting properties.

**Allergic reactions to methyl acrylates are possible.**

## SECTION 12. Environmental information

**General information**

Water hazard class WGK 2 (self-classification) – significantly hazardous to water.

Do not allow product to enter groundwater, watercourses, or sewage systems.

**12.1** Ecological effects:

Aquatic organisms: Toxic to aquatic organisms with long-lasting effects.

**12.2** Persistence and degradability

The substances contained in the mixture are not biodegradable within a sufficient time.

**12.3** Bioaccumulative potential

No data available.

**12.4** Mobility in soil

No data available.

**12.5** Results of PBT and vPvB assessment

It is not known whether the product induces or prevents hormonal effects.

**12.6** Other adverse effects

No data available.

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## SECTION 13. Disposal considerations

### 13.1 Waste treatment methods

If recycling is not possible, waste must be subjected to special treatment in accordance with official regulations. Do not allow to enter sewage systems.

Recommendation:

Agree on the exact waste code with the waste disposal company.

Waste code according to the Waste Catalogue Ordinance (AVV)

16 03 05 (Organic waste containing hazardous substances)

Packaging - Contaminated packaging

Empty, non-dried containers must be disposed of as containers with harmful residues.

08 01 11 (Packaging containing residues of hazardous substances or contaminated)

Cleaned packaging

Uncontaminated or cleaned packaging can be recycled.

## SECTION 14. Transport information

14.1 UN Number: none

14.2 UN Proper Shipping Name: none

14.3 Transport Hazard Class(es): none

14.4 Packing Group: none

14.5 Environmental Hazards: none

14.6 Precautions for Transport: none

14.7 Transport in Bulk according to Annex II of MARPOL 73/79  
according to the IBC Code: no

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## SECTION 15. Legislation

### 15.1 Safety, health, and environmental regulations/specific legislation for the mixture GHS labeling according to Regulation (EC) No. 1272/2008 (GHS/CLP)

**Skin Sens.1 H317 – May cause an allergic skin reaction**

**Repr.1A H360FD – May damage fertility or the unborn child**



Danger

#### Hazard Statements

H317 May cause an allergic skin reaction. Precautionary Statements

P280 Wear protective gloves, protective clothing/eye protection, and face protection.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Do not carry contaminated work clothing outside the workplace.

P501 Empty contents into container.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash before reuse.

### 15.2 Safety Assessments

Safety assessments for substances in this preparation have not been carried out.

## SECTION 16. Other information

#### Relevant EC Directives

Preparations Directive (1999/45/EC), last amended by Directive 2006/8/EC

Substances Directive (67/548/EEC), last amended by Directive 2006/121/EC

REACH Regulation (EC) 1907/2006, last amended by REACH Regulation (EC) No. 1272/2008, last amended by REACH Regulation (EC) No. 2020/878

#### Restriction of use recommended by the manufacturer

For professional use only – not a product for the general public

H-phrases referred to in sections 2 and 3

H317 - May cause an allergic skin reaction

H360FD - May damage fertility or the unborn child

## ABSCHNITT 16. Sonstige Angaben

Changes from the previous version

Changes to GHS labeling

Other information/sources: <sup>1</sup><http://www.baua.de> <sup>2</sup><http://www.arbeitssicherheit.de>

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The information in this safety data sheet corresponds to our current state of knowledge and the information provided by our suppliers. The specified working and storage conditions of the user, as well as disposal, are beyond our knowledge and control. For these and other reasons, we expressly disclaim any responsibility and assume no liability for any resulting or other costs. The product may not be used for any purpose other than that stated in Section 1 without written permission. The user is responsible for compliance with all necessary legal regulations.

The information in this safety data sheet describes the safety requirements of our product. However, it does not constitute a guarantee of product properties and does not establish a legal contract.

## Legend

**ADR** European Agreement Concerning the International Carriage of Dangerous Goods by Road

**BImSchV** Ordinance Implementing the Federal Immission Control Act

**CAS** Chemical Abstracts Service

**DIN** Standard of the German Institute for Standardization

**EC** Effective Concentration

**EC** European Community

**EN** European Standard

**IATA-DGR** International Air Transport Association-Dangerous Goods Regulations

**IBC Code** International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

**ICAO-TI** International Civil Aviation Organization-Technical Instructions

**IMDG Code** International Maritime Code for Dangerous Goods

**ISO** Standard of International Standards Organization

**IUCLID** International Uniform Chemical Information Database

**LC Lethal** Concentration

**LD Lethal** Doses

**Log** Kow Octanol-Water Partition Coefficient

**MARPOL** Maritime Pollution Convention = Convention for the Prevention of Pollution from Ships

**OECD** Organization for Economic Cooperation and Development

**PBT** Persistent, Biaccumulative, Toxic

**RID** Regulations concerning the International Carriage of Dangerous Goods by Rail Substances

**TRGS** (Technical Rules for Hazardous Substances)

**UN** (United Nations)

**VOC** (Volatile Organic Compounds)

**vPvB** (Very Persistent and Very Bioaccumulative)

**VwVwS** (Administrative Regulation on Substances Hazardous to Water)

**WGK** (Water Hazard Class)