

Safety Data Sheet YETI Dental GmbH

according to Regulation (EC) No. 1907/2006

Print date: February 28, 2025 New version: 2.4 Revised on: February 27, 2025 Replaces version: 2.3 dated February 9, 2024

Section 1. Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
Build-up resin LC / modeling resin blue Item no. 890-1300
UFI: A380-R0NE-A00S-0UR4
- 1.2 Relevant identified uses of the substance/mixture
Light-curing, dental modeling gel, for technical application in the laboratory
- 1.3 Details of the manufacturer/supplier of the safety data sheet

YETI Dentalprodukte GmbH

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(Mon.-Thurs. 8.00 a.m.-4.30 p.m./ Fri. 8.00 a.m.-2.30 p.m.)

Section 2. Hazards identification

- 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 This mixture is not classified as hazardous according to Regulation (EC) No.1272/2008
- 2.2 Label elements according to Regulation (EC) No. 1272/2008 Precautionary statements: P280 Wear protective gloves/protective clothing/eye protection. P302+P352 IF on skin: Wash with plenty of soap and water. P305+P351+P338 IF in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/container in accordance with local regulations. For professional/industrial users only. Special labeling of certain mixtures EUH208 Contains phenylbis(2,4,6-trimethylbenzoyl)phosphine oxide. May produce an allergic reaction. EUH210 Safety data sheet available upon request. For professional users only.
- 2.3 Other hazards The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, Annex XIII. In the presence of radical formers (e.g., peroxides), reducing substances, and/or heavy metal ions, polymerization with evolution of heat is possible.

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Section 3. Composition / information on ingredients

3.2 Chemical Characterization Mixture of acrylic resins and initiators

Relevant ingredients

CAS No. Substance name Quantity EC No. Index No. REACH No. Classification (Regulation (EC) No. 1272/2008)

162881-26-7 Phenylbis(2,4,6-trimethylbenzoyl)phosphine oxide <1% 423-340-5 015-189-00-5 Skin Sens. 1A, Aquatic Chronic 4; H317 H413 For the full text of H and EUH statements, see section 16.

Specific concentration limits, M-factors, and ATE CAS No. EC No. Substance name
Quantity Specific concentration limits, M-factors, and ATE 162881-26-7 423-340-5
Phenylbis(2,4,6-trimethylbenzoyl)phosphine oxide <1% Dermal: LD50 = >2000 mg/kg; Oral:
LD50 = >2000 mg/kg

Section 4. First aid measures

- 4.1 Description of first aid measures General information Medical attention is required if symptoms appear that are clearly due to the product's contact with the skin or eyes, or if vapors are inhaled. Remove contaminated clothing immediately.
If inhaled Provide fresh air. Medical treatment is required.
If skin contact Wash immediately with plenty of soap and water. Change contaminated clothing immediately. Consult a doctor.
If eye contact Remove contact lenses. Rinse immediately with plenty of water, holding the eyelids open. Consult an ophthalmologist.
If swallowed DO NOT induce vomiting. Do not attempt neutralization. Consult a doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No information available.
- 4.3 Indication of any immediate medical attention and special treatment needed Treatment symptomatically

Section 5. Fire-fighting measures

- 5.1 Extinguishing media
Suitable: water spray, foam (alcohol-resistant), carbon dioxide, powder, spray mist.
Unsuitable: full water jet
- 5.2. Special hazards arising from the substance or mixture In case of fire, the following may be released: Carbon monoxide, carbon dioxide, hazardous decomposition products.
- 5.3. Advice for firefighters In case of fire: Wear self-contained breathing apparatus. Additional information Contain gases/vapours/mist with a water spray jet. Collect contaminated extinguishing water separately. Do not allow to enter drains or watercourses.

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Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Ensure adequate ventilation. Do not inhale gas, smoke or vapors. Avoid contact with skin, eyes and clothing.

6.2 Environmental precautions

Avoid product and large quantities of contaminated washing water from entering waterways and soil. Cover drains to prevent entry.

6.3 Methods and material for containment and cleaning

Contain leaked material with neutralizing and non-combustible absorbent material and collect in the container provided for disposal in accordance with local regulations.

6.4 Reference to other sections

For safe handling, see section 7

For personal protective equipment, see section 8

For disposal, see section 13

Section 7. Handling and storage

7.1 Protective measures for safe handling

Note on safe handling

Ensure good room ventilation

Do not leave containers open.

Notes on fire and explosion protection

Keep away from sources of ignition. Do not smoke

Notes on general hygiene measures in the workplace

- Do not eat, drink or smoke in areas where work is carried out

- Wash hands and face thoroughly after use. Create and follow a skin protection plan

- Remove contaminated clothing/protective equipment before entering areas where eating is carried

7.2 Conditions for safe storage, taking into account any incompatibilities

Requirements for storage rooms and containers

Store in a well-ventilated, dry and cool room

Recommended storage temperature: room temperature between 4°C -25°C.

May polymerize with strong heat development.

Storage together with the following substances is prohibited.

- Medicines, food and animal feed

- Spontaneously flammable substances

- Substances that form flammable gases with water

- Organic peroxides

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Section 8. Exposure controls/Personal protection

- 8.1 Parameters to be monitored
8.2 Limiting and monitoring exposure
Individual protective measures, for example personal protective equipment

Eye/face protection

Tightly fitting safety goggles

Personal protective equipment

Personal protective equipment must be selected in a workplace-specific manner depending on the concentration and quantity of the hazardous substance.

Standard work protective clothing is sufficient.

Hand protection

Protective gloves should be changed regularly, especially if there is intensive contact with the product. A suitable type of glove must be selected for each workplace

Body protection

Wear standard work protective clothing

Section 9. Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

Physical state: gel
Color: blue
Odor: characteristic

Safety-relevant data

Parameter	Value	Method	Remark
Vapour pressure (20°C)			n. a.
Flammability (solid/gaseous)			n. a.
Solids content			n. a.
Flash point (°C)			>150°C
Odour threshold			n. a.
Solubility in water (20°C)			n. a.
Lower explosion limit			n. a.
Upper explosion limit			n. a.
Oxidising properties			n. a.
pH value (20°C)			n. a.
Vapour density (20°C)			n. a.
Density			1.1g/cm ³

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Relative density (24°C)	n. a.
Boiling point/range (°C)	n. a.
Melting point/freezing point (°C)	n. b.
Self-decomposition temperature	n. a.
Evaporation rate	n. b.
Partition coefficient n-octanol	n. b.
Viscosity, flow time (20°C)	n. b.
Viscosity, dynamic (mPas/20°C)	250*1000 mPa.s
Decomposition temperature (°C)	n. b.
Ignition temperature	n. b.

n. b. = not determined n. a. = not applicable

9.2 Other information/information on physical hazard classes

Autoignition temperature

Solid:

not applicable

Gas:

not applicable

Other safety parameters

Evaporation rate

not determined

Solid content

not determined

Dynamic viscosity (at 20°C)

250*1000 mPa.s

The product has not been tested. The statement is derived from the properties of the individual components.

Section 10. Stability and reactivity

10.1 Reactivity

No dangerous reactions when handled and stored as intended.

10.2 Chemical stability

The product is chemically stable under normal ambient conditions (room temperature).

10.3 Possible dangerous reactions

In the presence of radical formers (e.g. peroxides), reducing substances and/or heavy metal ions, polymerization with the development of heat is possible.

10.4 Conditions to avoid

To avoid premature polymerization, protect from heat, sunlight and light. Store in the original container between 4°C - 25°C

10.5 Incompatible materials

Oxidizing agents, reducing agents, heavy metals, acids, alkalis (lyes)

10.6 Dangerous decomposition products

None when used as intended

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Section 11. Toxicological information

11.1 Information on hazard classes according to Regulation (EC) No. 1272/2008

Acute toxicity

Based on available data, the classification criteria are not met. ATEmix calculated ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapor) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No. Name

Route of exposure Dose Species Source Method 162881-26-7 Phenylbis(2,4,6-trimethylbenzoyl)phosphine oxide Oral LD50 > 2000 Rat mg/kg dermal LD50 > 2000 Rat mg/kg

Irritation and corrosivity Skin corrosion/skin irritation: Based on available data, the classification criteria are not met. Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitizing effects

Based on available data, the classification criteria are not met. Contains phenylbis(2,4,6-trimethylbenzoyl)phosphine oxide. May produce an allergic reaction. Sensitization may occur in predisposed individuals.

Carcinogenic, mutagenic, and toxic to reproduction effects

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

Specific target organ toxicity (STOT) - single exposure

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

Specific target organ toxicity - repeated exposure Aspiration hazard

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

11.2 Further information on other hazards General remarks

The product has not been tested. This statement is based on the properties of the individual components.

Section 12. Environmental information

12.1 Toxicity

CAS No. Name Aquatic toxicity Dose [h] | [d] Species Source Method 162881-26-7 Phenylbis(2,4,6-trimethylbenzoyl)phosphine oxide Acute fish toxicity LC50 >0.09 96 h mg/l Danio rerio (Zebra fish) Acute algae toxicity ErC50 >0.26 72 h mg/l Desmodesmus subspicatus Acute EC50 >1.175 48 h mg/l Daphnia magna (Water flea)

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- 12.2 Persistence and degradability
The product has not been tested. CAS No. Name Method Value d Source Evaluation 162881-26-7 Phenylbis(2,4,6-trimethylbenzoyl)phosphine oxide OECD 301B 1% 28 Not readily biodegradable (according to OECD criteria)
- 12.3 Bioaccumulative potential The product has not been tested
- 12.4 Mobility in soil The product has not been tested.
- 12.5 Results of PBT and vPvB assessment
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH Annex XIII. The product has not been tested
- 12.6 Endocrine disrupting properties
The product does not contain any substance that has endocrine disrupting properties towards non-target organisms, as none of the ingredients meets the criteria.
- 12.7 Other adverse effects No information is available
- Further information**
Do not allow the product to enter the environment, sewage system or waterways in an uncontrolled manner.

Section 13. Disposal considerations

13.1 Waste treatment methods/Disposal recommendations

Smaller quantities can be hardened with light and then disposed of with household waste. Larger quantities must be disposed of as hazardous waste in accordance with national regulations. Do not allow to enter drains or waterways. Dispose of in accordance with regulations.

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

Waste code for unused product

070208 Wastes from organic chemical processes; wastes from the MFSU of plastics, synthetic rubber and synthetic fibres; other reaction and distillation residues;
Classified as hazardous waste.

Waste code for used product

070208 Wastes from organic chemical processes; wastes from the MFSU of plastics, synthetic rubber and synthetic fibres; other reaction and distillation residues;

Classified as hazardous waste.

Waste code for uncleaned packaging

070208 Wastes from organic chemical processes; wastes from the MFSU of plastics, synthetic rubber and synthetic fibres; other reaction and distillation residues;

Classified as hazardous waste.

Disposal of contaminated packaging and recommended cleaning agents

The product and its containers must be disposed of as hazardous waste. Contaminated packaging must be treated in the same way as the substance

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Section 14. Transport information

- 14.1 **Land transport (ADR/RID) other relevant information on land transport**
-not a dangerous good within the meaning of these transport regulations
Inland waterway transport (ADN) other relevant information on inland waterway transport
-not a dangerous good within the meaning of these transport regulations
Maritime transport (IMDG) other relevant information on maritime transport
-not a dangerous good within the meaning of these transport regulations
Air transport (ICAO-TI/IATA-DGR) other relevant information on air transport
-not a dangerous good within the meaning of these transport regulations
- 14.6 **Special precautions for user:** No information available
- 14.7 **Bulk transport by sea according to IMO instruments:** not applicable

Section 15. Legislation

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
EU regulations
Restrictions on use (REACH, Annex XVII)
Entry 75
National regulations: Water hazard class 1 - slightly hazardous to water
Status: Mixture rule according to VwVwS Annex 4, No.3
- 15.2 **Chemical safety assessment**
The substance/mixture has not been subjected to a safety assessment.

Section 16. Other information

Changes: This data sheet contains changes compared to the previous version

Reason for revision: Changed classification

Reason for revision: Regulation (EU) No. 2020/878, Annex II

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
IATA-DGR	International Air Transport Association-Dangerous Goods Regulations
IBC	Code International Code for the Construction and Equipment of Ships for the Carriage of Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization-Technical Instructions
LC50	Lethal Concentration 50%
LD50	Lethal Doses 50%

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Log Kow	Octanol-water partition coefficient
OECD	Organization for Economic Cooperation and Development
PBT	Persistent, bioaccumulative, toxic
RID	Regulations concerning the International Carriage of Dangerous Substances by Rail
TRGS	Technical Rules for Hazardous Substances
WGK	Water hazard class

More Information

The information in this safety data sheet corresponds to our current state of knowledge and complies with national and EC legislation. The user's stated working conditions are beyond our knowledge and control. The product may not be used for any purpose other than that stated in section 1 without written permission. This also includes any modification to the product. The user is responsible for complying with all necessary legal provisions. The information in this safety data sheet describes the safety requirements of our product, but does not represent a guarantee of product properties and does not establish a contractual legal relationship.

(the data of the relevant components were taken from the latest safety data sheet of the supplier)