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

1.1 Product Identifier

1.2 Die Bloc Liquid – light-curing 2 ml syringe (Art. 890-1201)
Light-curing block-out material for plaster dies and thermoformed splints

1.3 Relevant identified uses of the substance/mixture
Block-out material in dental technology

1.4 Details of the manufacturer/supplier of the safety data sheet
YETI Dentalprodukte GmbH
Industriestr. 3
DE-78234 Engen
www.yeti-dental.com
www.dentalwax.com
info@yeti-dental.com
Tel. +49 (0)7733-9410-0
Fax +49 (0)7733-9410-20
Contact for technical information Information / Application Technology
Devices +49 (0)7733-9410-14 technik@yeti-dental.com
Dental Technology +49 (0)7733-9410-20 labor@yeti-dental.com

1.5 Emergency Number
Tel. +49 (0) 1784337434 (Consultant: Lutz Harder GmbH)

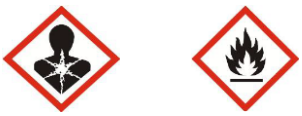
SECTION 2. Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008

Skin Sens.1B	H317 – May cause an allergic skin reaction
Skin Irrit.2	H315 – Causes skin irritation
Flam. Liq. 2	H225 – Highly flammable liquid and vapour
Eye Dam. 1	H318 – Causes serious eye damage
Eye Irrit. 2	H319 – Causes serious eye irritation
Carc. 1B	H350 – May cause cancer
Acute Tox. 4	H302 – Harmful if swallowed
STOT RE 2	H373 – May cause damage to organs (liver, kidney) through prolonged or repeated exposure (if swallowed)
Repr.1	H360 – May damage fertility or the unborn child

Aquatic Chronic 3 H412 – Harmful to aquatic life with long-lasting effects

2.2 Label elements according to Regulation (EC) No. 1272/2008
Product pictogram(s) and signal word



Signal word: Danger

Hazard statements:

H225 Highly flammable liquid and vapour
H317 May cause an allergic skin reaction
H315 Causes skin irritation
H318 Causes serious eye damage
H319 Causes serious eye irritation
H350 May cause cancer
H302 Harmful if swallowed
H373 May cause damage to organs (liver, kidneys) through prolonged or repeated exposure (if swallowed)
H360 May damage fertility or the unborn child
H412 Harmful to aquatic life with long-lasting effects

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed
P240 Ground container and receiving equipment
P241 Use explosion-proof equipment
P242 Use low-sparking tools
P243 Take precautions against static discharge
P280 Wear protective gloves, protective clothing/eye protection, face protection
P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P370+P378 In case of fire: Use to extinguish
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Do not take 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.
P321 Specific treatment (see...on this label)
P362+P364 Take off contaminated clothing and wash before reuse.
P201 Obtain special instructions before use.
P202 Read and understand all safety advice before use.
P308+P313 IF EXPOSURE or CONCERNED: Get medical advice/attention.
P405 Store locked up.
P314 If you feel unwell, get medical advice/attention.
P273 Avoid release to the environment.
P410+P403 Store in a dry, well-ventilated place, away from sunlight.
P411 Store and transport at temperatures not exceeding 25°C.

Disposal:

P501 Dispose of in accordance with local/national/international regulations.

2.3 Endocrine-disrupting properties

The product does not contain any substances or mixtures that exhibit endocrine-disrupting properties.

SECTION 3: Composition/Information on ingredients

3.1 Substances

Name	CAS No./EINECS No.	Content (%)	Labelling
Methylmethacrylat	80-62-6 / 607-035-00-6	15-20	H225-Flam.Liq2 H315-Skin.Irrit2 H317-Skin-Sens.1 H335-STOT SE3
2-Hydroxyethylmethacrylat	868-77-9/ 607-124-00-X	3-5	H317-Skin Sens.1 H319-Eye Irrit.2 H315-Skin.Irrit.2
Urethanacrylat/Tetraacrylat	4986-89-7	20	H302-Acute Tox.4 H315-Skin.Irrit2 H318.Eye Dam.1 H319-Eye Irrit.2 H317-Skin Sens.1 H411-Aqu.Chronic 2
Vinylester Harz (Acrylat)	55818-57-0	25-32	H317-Skin Sens.1
Phosphinoxid	75980-60-8/278-355-8	1-2	H361f-Repr.2 H412-Aqu.Chronic 3
Campherchinon	10373-78-1/233-814-1	0,5-1	H319-Eye Irrit.2 H335-STOT SE3 H315-Skin.Irrit2
Thioxanthron		1-3	H302-Acute Tox.4 H317-Skin Sens.1 H413-Aqu.Chronic.4
2-Ethylhexyl-4-benzoat	21245-02-3/244-289-3	2-5	H319-Eye Irrit.2 H360f-Repr.1
Benzophenon	119-61-9/204-337-6	5-10	H373-STOT RE 2 H412-Aqu.Chronic 3 H350-Carc.1B

3.2 Mixtures Substances with prescribed EC limit values n.d. The wording of the hazard statements listed can be found in Section 16.

SECTION 4. First aid measures

4.1 Immediately remove any clothing contaminated with the product.

After inhalation

If the product causes irritation of the respiratory tract, supply fresh air.

If unconscious, store and transport in the recovery position.

After skin contact

Wash with plenty of soap and water. If skin irritation persists, consult a doctor.

After eye contact

Remove contact lenses. Rinse immediately with plenty of water, holding the eyelids open. If necessary, consult an ophthalmologist.

If swallowed

Rinse mouth thoroughly immediately. Do not attempt neutralization. Consult a doctor.

4.2 **Most important symptoms and effects, both acute and delayed:**

Impaired coordination, reduced sensitivity to pain.

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

If unconscious, alert emergency physicians.

SECTION 5. Firefighting 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, hazardous vapors/gases may be released: carbon monoxide, carbon dioxide.

The product's vapors are heavier than air and spread along the ground. Ignition possible over a long distance.

5.3 Advice for firefighters

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

Cool endangered containers with water spray from a safe distance.

Contain escaping vapors with water. Be careful of flashback!

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

6.1 Personal precautions, protective equipment, and emergency procedures

Wear protective equipment. Remove ignition sources. Ensure adequate ventilation.

Warn/keep away people in the danger area. Separate leaking containers.

Avoid contact with eyes and skin.

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
The usual precautions for handling chemicals must be observed.
- Wear work clothing.
Do not leave containers open.

Comply with minimum standards according to TRGS500. These include general hygiene measures such as:
- Do not eat, drink, or smoke in work areas.
- Wash hands after use.
- Remove contaminated clothing/protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Information on storage conditions
Store Material in a cool, dry place, protected from light and in a tightly closed container.

Storage together with the following substances is prohibited.

- Pharmaceuticals, food, and animal feed
- Spontaneously flammable substances
- Substances that emit flammable gases with water
- Organic peroxides
Fire and explosion protection: No special measures required
- Wash hands thoroughly before breaks and after work

7.3 Specific end use(s)
Used in dental technology for blocking out plaster models and vacuum-formed splints.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters/components of workplace-related limit values to be monitored
CAS No. Name of substance % Article Value Unit

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 air.
Suitable assessment methods for verifying the effectiveness of the protective measures taken include metrological and non-metrological methods of determination as described in the Technical Rules for Hazardous Substances (TRGS) 402.

Personal protective equipment
Personal protective equipment must be selected according to the concentration and quantity of the hazardous substance and is workplace-specific. Store clothing separately.

Body protection
Standard occupational protective clothing is sufficient.

Hygienic measures
Comply with standard occupational protective and hygiene measures.

Hand protection
Wear solvent- and alkali-resistant protective gloves in accordance with EN 374.
e.g., Ethiparat® gloves for 5-10 minutes.
Use of no-touch, minimal-contact techniques is recommended.

Eye protection
Use safety goggles in accordance with EN 166:2001.

Environmental exposure controls
See sections 6 and 7.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance
Physical state: viscous mass
Color: varies depending on coloring
Odor: acrylates, methacrylates

Safety-relevant data

Parameter	Value	Method	Remark
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):			pra
ctically insoluble at 20°C			
Lower explosion limit:			n/a
Upper explosion limit:			n/a
Oxidizing properties:			n/a
pH value (20°C)			n/a
Vapor density (20°C)			n/a
Relative density (24°C)			n/a
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/a
Viscosity, flow time (20°C)			n/a
Viscosity, dynamic (mPas/20°C)			n/a
Decomposition temperature (°C)			n/a
Ignition temperature			n/a
Explosive properties:			Product is not explosive.

n/a = not determined n/a = not applicable

9.2 Other information:

No further data has been determined.

SECTION 10. Stability and reactivity

10.1 Reactivity
No decomposition when used as directed. Avoid excessive heating.

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

10.3 Potential hazardous reactions - n/a

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

10.5 Incompatible materials
Product polymerizes slowly upon contact with radical initiators.

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 evolution if the storage time and/or the recommended storage temperature are significantly exceeded.

SECTION 11. Toxicological information

Acute Toxicity:	Harmful if swallowed.
Skin:	May cause skin irritation.
Eyes:	Causes severe eye damage.
Respiratory Organs:	Based on available data, the classification criteria are not met.
Sensitization:	Sensitization via skin contact is possible upon exposure.
Target Organs:	Prolonged or repeated exposure (ingestion) may cause damage to organs (liver,kidney).
Carcinogenicity:	May cause cancer upon exposure.
Mutagenicity:	Based on available data, the classification criteria are not met.
Reproductive Toxicity:	Exposure may impair fertility or cause harm to the unborn child.
Toxicokinetics:	In accordance with the new Safety Data Sheet requirements under REACH, information regarding the toxicokinetics, metabolism, and distribution of the substance within the body must be listed in this section. We do not have any information available regarding this.
Miscellaneous:	Based on our experience, provided the product is handled correctly and used as intended, it does not have any harmful effects on health.

Endocrine-disrupting properties:
The product does not contain any substances, materials, or mixtures that exhibit endocrine-disrupting properties. Allergic reactions to methacrylates are possible.

SECTION 12. Environmental information

General information
Water hazard class WGK 2 (self-classification) – significantly hazardous to water.
Do not allow to enter groundwater, watercourses, or sewage systems.

Ecological effects:
Fish toxicity: No information
Aquatic organisms: No information
Bacterial toxicity: No information

Further ecological information:
Do not allow to enter watercourses, wastewater, or soil.

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Endocrine disruption potential
It is not known whether the product triggers or prevents hormonal effects.

12.6 Other adverse effects
No data available

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

Waste code according to the Waste Catalogue Ordinance (AVV)
Uncured 55 90 2 (Putty and filler waste)
Cured 16 03 05 (Organic waste containing hazardous substances)
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
Cleaned or uncontaminated packaging can be recycled.

SECTION 14. Transport information

Land Transport ADR/RID
Classification

Class:	- (not classified as dangerous goods under transport regulations)
UN Number:	-
Classification Code:	-
Name of Goods:	Light-Curing Blocking Material
Hazard Inducer:	-
Packaging:	
Packing group	not applicable, as the substance is not flammable
Danger Label:	Not required
Limited Quantity:	Not specified

Marine Transport IMDG/GGVSee
Classification

IMDG Code:	-
UN Number:	-
EmS	
Marine Pollutant:	No
Name of Goods:	Light-Curing Blocking Material
Hazard Inducer:	-
Packaging:	
Packing group	not applicable, as the substance is not flammable
Danger Label:	Not required

Air Transport ICAO-TI and IATA-DGR
Classification

Class:	- (not classified as dangerous goods under transport regulations)
UN Number:	-
Classification Code:	-
Name of Goods:	Blocking Material Light-curing
Hazard trigger:	-
Packaging:	
Packaging group	not applicable, as it is not a flammable substance.
Hazard label:	Not required.

SECTION 15. Legislation

Hazard designation
Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008

Flam. Liq.1 H224 - Flammable liquid and vapor
Skin Sens.1B H317 - May cause an allergic skin reaction
Skin Irrit.2 H315 - Causes skin irritation
STOT RE 2 H373 - May cause damage to organs (liver, kidney) through prolonged or repeated exposure (if swallowed)
Repr.1 H360 - May damage fertility or the unborn child
Aquatic Chronic 3 H412 - Harmful to aquatic life with long-lasting effects

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

Skin Sens. 1	H317	May cause an allergic skin reaction
Repr. 1A	H360FD	May damage fertility. May damage the unborn child.

Product pictogram(s) and signal word

Danger

Danger

H225 Highly Flammable liquid and vapor
H317 May cause an allergic skin reaction
H315 Causes skin irritation
H373 May cause damage to organs (liver, kidneys) through prolonged or repeated exposure (if swallowed)
H360 May damage fertility or the unborn child
H412 Harmful to aquatic life with long-lasting effects
H318 Causes serious eye damage
H319 Causes serious eye irritation
H350 May cause cancer
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed
P240 Ground container and receiving equipment
P241 Use explosion-proof equipment
P242 Use low-sparking tools
P243 Take precautions against static discharge
P280 Wear protective gloves, protective clothing/eye protection, face protection
P303/361/353 IF ON SKIN (or hair).
Take off all contaminated clothing immediately. Rinse skin with water [or shower].
P370+P378 In case of fire: Use to extinguish.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Do not take 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.
P321	Special treatment (see... on this label)
P362+P364	Take off contaminated clothing and wash before reuse
P501	Dispose of contents/container to...
P201	Obtain special instructions before use
P202	Read and understand all safety advice before use
P308+P313	IF EXPOSURE or CONCERNED: Get medical advice/attention
P405	Store locked up
P314	Get medical advice/attention if you feel unwell
P273	Avoid release to the environment

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

H225	Highly flammable liquid and vapour
H317	May cause an allergic skin reaction
H315	Causes skin irritation
H373	May cause damage to organs (liver, kidneys) through prolonged or repeated exposure (if swallowed)
H360	May damage fertility or the unborn child
H412	Harmful to aquatic life with long lasting effects
H318	Causes serious eye damage
H319	Causes serious eye irritation
H350	May cause cancer

Changes from the previous version.
Changes in sections 2.1, 2.2, 9.1, 11, 15, and 16 are highlighted in color.
Other information/sources:
[1]http://www.baua.de
[2]http://www.arbeitssicherheit.de

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)