EC – Safety Data Sheet YETI GmbH

According to Directive 1907/2006 EC, Article 31

Fixing Gel / Art.399-2000

SECTION 1. Identification of the substance/preparation and company

1.1	Product identifier:	Fixing Gel (in syringes 5ml)
1.2	Relevant identified uses of the substance	
	or mixture and uses advised against	none
	Type of use:	Aid in dental technology for the production of dentures
1.3	Supplier / company name:	YETI Dentalprodukte GmbH
	Street:	Industriestraße 3
	Postal code:	D-78234 Engen
	E-mail:	sdb@yeti-dental.com
	Information on the substance / preparation:	Tel. 0 77 33 / 94 10 0 FAX 0 77 33 / 94 10 22
1.4	Emergency number:	Tel. 0 77 33 / 94 10 0 (Mon. – Thurs. 8 a.m. – 4.30 p.m., Fri. 8 a.m. – 2 p.m.)

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification Regulation EC No. 1272/2008 [CLP]

Not classified

Harmful physicochemical effects on humans and the environment

No further information available

2.2 Label elements

Labeling (Regulation EC No. 1272/2008)

No labeling required

2.3 Other hazards

This substance/mixture does not meet the PBT criteria of the REACH Regulation, Annex XIII

This substance/mixture does not meet the vPvB criteria of the REACH Regulation, Annex XIII

SECTION 3. Composition / information on ingredients

3.1 Ingredients

Chemical name	Product identifier	Classification EC Regulation No.1272/2008	Concentration (%)
Hydroxypropyl-methylcellulose	CAS No. 9004-65-3	not classified	3-4%
Phenylmethanol	CAS No. 100-51-6	Acute Tox. 4; H332 Acute Tox.4 ; H302	< 1.0%

3.2 Mixtures

The mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP]

SECTION 4. First aid measures

4.1 Description of first aid measures

General information: In all cases of doubt or if symptoms occur, contact a doctor immediately.
After skin contact: Wash with plenty of soap and water. Change contaminated clothing. In case of allergies/irritation, seek medical attention.
After eye contact: Rinse with water for several minutes. Remove contact lenses.
In case of irritation, seek medical attention.
After inhalation: Move to fresh air and take a resting position that makes breathing easier.
In case of symptoms, seek medical attention.
After swallowing: Rinse mouth and drink plenty of water. Do not induce vomiting.
Call a doctor.

4.2 Important acute or delayed symptoms and effects

In addition to the information listed in the description under "First aid measures" and "Indications of any immediate medical attention or special treatment needed", further and additional symptoms and effects are described in section 11 "Toxicological information".

4.3 Indications of any immediate medical attention or special treatment needed

No specific antidote known. Treatment of an exposure should be directed at controlling the symptoms and clinical status of the patient.

SECTION 5. Fire-fighting measures

5.1 Suitable extinguishing agents:

Adapt extinguishing measures to the surroundings. Water, dry extinguishing agent, carbon dioxide fire extinguisher. Do not use a full water jet.

5.2 Special hazards arising from the substance or mixture.

Hazardous combustion products
In the event of a fire, the smoke may contain not only the starting material but also combustion products with undetermined toxic and/or irritating compositions. Combustion products may include: carbon monoxide, carbon dioxide.

Special hazards in the event of fire and explosion
Prevent dust accumulation. Dust suspended in air poses an explosion hazard. Reduce ignition sources to a minimum. If dust layers are exposed to elevated temperatures, spontaneous combustion can occur. Pneumatic conveying and other mechanical processes can lead to the formation of flammable dust. To reduce the possibility of a dust explosion, the equipment should be earthed and provided with electrical conductors. Dust accumulation should be prevented. Dust can ignite if static discharges occur.

5.3 Instructions for firefighters
Correct the danger area and keep bystanders away. Cool with water and soak thoroughly to prevent reignition. Cool the surrounding area with water to keep the fire zone contained. For smaller fires, fire extinguishers with carbon dioxide or dry extinguisher can be used by hand. Sudden use of fire extinguishing agents (e.g. full jet) can create a dust explosion hazard.

Special protective equipment for firefighting
Put on an approved, location-independent overpressure compressed air breathing apparatus or self-contained breathing apparatus and wear firefighter protective clothing (firefighter helmet with neck protection, protective suit, protective footwear and protective gloves). If no protective clothing is available, fight the fire from a safe distance or from a protected location.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency applications
Correct the danger area. Keep people not working in the area and unprotected away from it. In the event of leaks, there is a risk of slipping. Appropriate protective equipment must be used. For additional information, see section 8.

6.2 environmental protection measures:
Do not allow to enter the soil, sewers or waterways. See section 12 Ecology

6.3 Methods and material for containment and cleaning
If possible, contain leaking material. Collect mechanically. Be careful to avoid dust formation. Do not use water. Collect in suitable and properly labelled containers. See section 13 Disposal.

6.4 Reference to other sections
For personal protective equipment, see section 8. For safe handling, see section 7
For disposal, see section 13

SECTION 7. Handling and storage

7.1 Instructions for safe handling
Keep away from heat, sparks and flames. Smoking, open flames or sources of ignition in the work and storage area must be avoided. See also section 5 and section 8.
Hygienic measures
The usual precautionary measures when handling chemicals must be observed.
Store work clothing separately.

7.2 Conditions for safe storage, taking into account any incompatibilities
Dry and ventilated rooms. Protect closed containers from mechanical damage. Keep away from heat and sources of ignition. See section 10.

7.3 Specific end uses
See technical data sheet or application instructions if available
For use by trained specialist personnel only

SECTION 8. Exposure controls and personal protection equipment

8.1 Parameters to be monitored

Phenylmethanol / Germany

Value / ppm	Value / mg/m3	Peak limit	Remark	Date	Source
5	22	2(I)	*1)Hautresorptiv. *2) Summe aus Dampf u. Aerosolen	09/17	AGW Deutschland TRGS 900 07.06.2018

*1): Senate Commission for the Investigation of Health Hazardous Materials in the Workplace of the German Research Foundation (MAK Commission).
*2): There is no need to fear a risk of damage to the fetus if the workplace limit value and the biological limit value (BGW) are observed.

8.2 Limiting and monitoring exposure

Local ventilation or other technical requirements must be provided in order to comply with workplace limit values. If no limit values are available, general ventilation and extraction should be sufficient for most work processes. In individual cases, local extraction is necessary.
Individual protective measures
Eye/face protection
Wear safety glasses with side protection in accordance with DIN EN 166
Hand protection
Chemical protection gloves recommended. Keep direct skin contact with the product to a minimum.
Frequent and prolonged skin contact can lead to skin irritation
Respiratory protection
No dangerous reactions occur if handled and stored as intended.
If workplace limit values are exceeded, wear a protective mask (particle filter type P2)

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	gel
Color	transparent
Odor	weak
Odor threshold	no data available
pH value	not applicable
Melting point	no data available
Freezing point	not applicable
Boiling point	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability	combustible dust possible
Explosive properties	the product is not explosive
Lower explosion limit	no data available
Upper explosion limit	no data available
Vapour pressure	not applicable
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Kinematic viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available
Water solubility (g/l)	soluble

9.2 Other information

The physical data in section 9 correspond to typical values for this product and are not to be regarded as product specifications.

SECTION 10. Stability and reactivity

10.1	Reactivity	no data available
10.2	Chemical stability	Stable under recommended storage conditions (section 7)
10.4	Conditions to avoid	if handled and stored as intended no dangerous reactions occur avoid. Avoid electrostatic discharge.
10.5	Incompatible materials	Avoid contact with oxidizing agents, acids, bases
10.6	Dangerous decomposition products	if handled and stored as intended no dangerous reactions occur

SECTION 11. Toxicological information

Acute toxicity (oral) very low oral toxicity.
Acute toxicity (dermal) no side effects are to be expected with short-term contact with the skin.
Acute toxicity (inhalation) no side effects are to be expected with a single exposure to dust. No data is available for irritation of the respiratory tract and narcotic effects.
Corrosive-irritating effect on the skin generally not irritating to the skin.
Serious eye damage/irritation. Due to mechanical effects, the solid or dust can cause corneal injuries.
Respiratory sensitization no relevant information available.
Germ cell mutagenicity similar cellulose products were negative in in vitro and in vivo studies.
Carcinogenicity Similar cellulose products did not cause cancer In long-term animal studies
Teratogenicity Similar cellulose products did not cause birth defects or other toxic effects in animal studies
Reproductive toxicity Similar cellulose products have been shown in animal studies not to affect reproduction.
Systematic target organ toxicity An evaluation of the available data indicates that (single exposure) this material is not classified as a STOT-SE toxicant.
Systematic target organ toxicity Repeated ingestion of similar cellulose products (repeated exposure) in the diet in humans did not result in significant adverse effects.
Aspiration hazard Not likely to present an aspiration hazard based on the physical properties.

SECTION 12. Ecological information

12.1 Toxicity / Acute fish toxicity
The material is not harmful to aquatic organisms (LS50/EC50/IC50/LL50/EL50 >100mg/L for the most sensitive species

12.2 Persistence and degradability / biodegradability
For this product group: The material is expected to biodegrade very slowly in the environment. Did not pass OECD/EEC tests for ready biodegradability.

12.3 Bioaccumulative potential
Due to the relatively high molecular weight (MW>1000) no bioconcentration is to be expected

12.4 Mobility in soil
The product has not been tested

12.5 Results of PBT and vPvB assessment
The product does not meet the criteria

12.6 Other adverse effects
No further information is available

Further information: Avoid release into the environment

SECTION 13. Disposal considerations

13.1 Waste treatment methods:
Dispose of in compliance with waste disposal laws and regulations. Do not allow product to enter the soil, sewage system or waterways. The definitive classification of this material and the appropriate waste code must be clarified with the authorized waste disposal company.

SECTION 14. Transport information

Land transport (ADR/RID)

14.1 UN numbers	**not applicable**
14.2 UN shipping name	**Not a dangerous good in the sense of the transport regulations**
14.3 Transport hazard classes	**not applicable**
14.4 Packing group	**not applicable**
14.5 Environmental hazards	**classified as non-dangerous based on the data**
14.6 Precautionary measures	**User no data available**

Inland waterway transport (ADN)

14.1 UN numbers	**Not a dangerous good in the sense of the transport regulations**
14.2 UN shipping name	**Not a dangerous good in the sense of the transport regulations**
14.3 Transport hazard classes	**Not a dangerous good in the sense of the transport regulations**
14.4 Packing group	**Not a dangerous good in the sense of the transport regulations**

Sea transport (IMO-IMDG code)

14.1 UN numbers	**not applicable**
14.2 UN shipping name	**Not regulated for transport**
14.3 Transport hazard classes	**not applicable**
14.4 Packing group	**not applicable**
14.5 Environmental hazards	**due to data not classified as marine pollutant**
14.6 Precautionary measures for users	**no data available**
14.7 Transport in bulk 73/78	**Consult IMO regulations before transporting ocean bulk**

Air transport (IATA-DGR)

14.1 UN numbers	**not applicable**
14.2 UN shipping name	**Not regulated for transport**
14.3 Transport hazard class(es)	**not applicable**
14.4 Packing group	**not applicable**
14.5 Environmental hazards	**not applicable**
14.6 Special precautions Measures for users	**no data available**

SECTION 15. Legal provisions

15.1 Safety, health and environmental protection regulations/specific legislation for the substance or mixture

Regulation (EC) No. 1907/2006 REACH Regulation
Polymers are exempt from REACH registration. All relevant starting materials and additives have either been pre-registered, registered or are exempt from registration under Regulation (EC) No. 1907/2006 (REACH). The above-mentioned information on the REACH registration status was provided to the best of our knowledge and belief and was considered correct at the time of publication mentioned above. However, no guarantees of properties are associated with it and do not establish a legal relationship. The information contains information on the safe handling, storage, processing and transport of the product and, in the event of any changes in properties, is not transferable to subsequent products.
It is the responsibility of the buyer or user to ensure that his/her knowledge of the regulatory status is correct.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
-not applicable-

Water hazard class (Germany)
WGK1: slightly hazardous to water

15.2 Chemical safety assessment

No chemical safety assessment has been carried out for the product

SECTION 16. Other information

Abbreviations and acronyms

ADN	European Agreement concerning the international Carriage of Dangerous Goods by Inland Waterways
ADR	Accord europeen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ATE	Acute toxicity estimate.
BCF	Bio-Concentration factor
BimSchV	Ordinance on the Implementation of the Federal Immission Control Act
CAS	Chemical Abstracts Service
CLP	Classification, labelling and Packaging.
DGR	Dangerous Goods Regulations
DIN	standard of the German Institute for Standardization
DNEL	Derived No Effect Level
DMEL	Derived Minimal Effect Level
Dow IHG	Dow IHG
EC50	Effective Concentration, 50%
EC	European Community
EN	European standard
EmS	Emergency Schedules
ErC50	Effective Concentration 50%, grow rate
EINECS	European Inventory of Existing of Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	Globally Harmonized System of Classification/Labelling of Chemicals
IATA	International Air Transport Association
IBC code	International code for the construction and equipment of ships Transportation of dangerous chemicals in bulk
ICAO	International Civil Aviation Organization
IMDG	International Maritime Code for Dangerous Goods
ISO	Standard of International Standards Organization
IUCLID	International Uniform Chemical Information Database
LC50	Lethal Concentration, 50%
LD50	Lethal Dose, 50%
LL50	Lethal loading, 50%
EL50	Effect loading, 50%
Log Kow	distribution coefficient between octanol and water
MARPOL	Maritime Pollution Convention. Convention for the prevention of ship-Source
MFAG	Medical First Aid Guide
NOEC	No Observed Effect Concentration
OECD	Organization for Economic Cooperation and Development

PBT	Persistent, biocumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
SVHC	Substance of Very High Concern
TWA	Time Eeighted Average (Tagesmittelwert)
TRGS	Technical Rules for Hazardous Substances
UN	United Nations (United Nations)
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative
VwVwS	Administrative regulation of substances hazardous to water
WGK	water hazard class

Abbreviations:
n.a.= not applicable
n.b.= not determined
n.z.= not applicable

Text of the H-phrases
H302: Harmful if swallowed
H312: Harmful in contact with skin
H319: Causes serious eye irritation
H332: Harmful if inhaled

The above information, which corresponds to our current state of knowledge and experience, describes our product with regard to any safety requirements and labeling in accordance with the applicable legislation; however, this does not imply any guarantee of properties and does not establish any legal relationship. The information contains information on the safe handling, storage, processing and transport of the product and is not transferable to subsequent products in the event of any changes in properties.
The recipient of our products is responsible for observing existing laws and regulations.

(the data on the hazardous ingredients were taken from the latest SDS of the supplier)