

EC-Safety Data Sheet 1907/2006/EC Zahnvaseline

1. Commercial product name and supplier

Commercial product name: Zahnvaseline
Application: Dental Care
Producer: FAVODENT Karl Huber GmbH
Greschbachstraße 17
D-76229 Karlsruhe, Germany
Tel.: +49 (0)721/ 62686-0 Fax: +49 (0)721/62686-66
E-Mail: info@favodent.com
TOX emergency number: Ms Apoth. Wolf, phone number: +49 (0)179 / 5146888

2. Hazards identification

Special hazards information for humans and environment:
Product can cause burnings at high temperatures (abt. 25°C over congealing point, >60 °C)

3. Composition/information on ingredients

Chemical characterization:
Pasty mixture of aliphatic hydrocarbons.
Additional advice:
Product is not classified as hazardous substance in the sense of the Hazardous Substances Act/EC Regulations.

4. First aid measures

General information:
Remove contaminated clothing immediately and dispose it safely.
Immediate measures in case of contact with hot product: measures identical as with burnings.
In case of inhalation:
In case of inhalation remove the casualty into fresh air and keep him immobile.
Refer for medical treatment.
In case of skin contact:
After contact with melted product cool with cold water promptly.
Seek medical treatment immediately.
Cover with sterile cloth.
In case of eye contact:
In case of eye contact with melted product rinse eyes thoroughly with much water and consult a doctor.
In case of ingestion:
Damages only possible with liquid (hot) product; identical measures as with burnings.
Physician's information / possible dangers:
In case of swallowing or vomiting of the melted product there is danger of penetration into the lungs.
When Vaseline vapours are inhaled there is danger of irritating the breathing apparatus.
Treatment (advice to doctor):
Treat symptoms.

EC-Safety Data Sheet 1907/2006/EC Zahnvaseline

5. Fire-fighting measures

Suitable extinguishing media:

Foam, dry powder, Carbon dioxide, sand

Extinguishing media which must not be used for safety reasons:

Strong water jet.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

In fires, hazardous combustion gases are formed:

Nitrogen oxides (NO_x)

Carbon monoxide (CO)

Sulphur dioxide (SO₂)

Special protective equipment for fire-fighters:

Use breathing apparatus with independent air supply.

Additional information:

Cool endangered containers with water spray jet.

6. Accidental release measures

Personal precautions:

Avoid skin contact with hot leaking liquid.

Use breathing apparatus if exposed to vapours/dust/aerosol.

High risk of slipping due to leakage/spillage of product.

Environmental precautions:

Do not discharge into the drains/surface waters/groundwater.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the subsoil/soil.

Methods for cleaning up:

Allow to solidify.

Take up mechanically and send for disposal.

Additional information:

In case of leaking into surface water, drainage or ground filtration inform authorities or police involved.

Information for disposal see chapter 13.

EC-Safety Data Sheet 1907/2006/EC Zahnvaseline

7. Handling and storage

Advice on safe handling:

Avoid formation of oil dust.

Take measures against electrostatic charging.

Usual protective measures for handling of hot liquids have to be observed.

Advice on protection against fire and explosion:

Pay attention to general rules of internal fire prevention.

Requirements for storage rooms and vessels:

In solid state: Store in cool and dry place and away from light for quality reasons.

In liquid state: Tank store to be erected and kept in compliance with official regulations.

Advice on storage compatibility:

Liquid product must not contain water at temperatures higher than 100°C.

Do not store together with oxidizing agents.

Further information on storage conditions:

Store at temperatures from 0°C to 40°C for quality guaranty.

Keep container dry and tightly closed.

Storage group 11

Fire class B

Information on storage stability:

Product has a shelf life of several years when stored in closed original container at temperatures up to 40°C.

8. Exposure controls / personal protection

Additional advice on system design:

Earthing of all containers to be provided, eliminate ignition sources.

Additional advice:

Germany/Switzerland/Austria: There are no MAK values for Vaseline.

USA (ACGIH recommended): TLV value for wax mist: 2mg/m³.

Respiratory protection:

Respiratory equipment in case of nebulosity or aerosol: Use a mask with a filter type A2, A2/P2 or ABEK.

Hand protection:

Heat-resistant gloves.

Eye protection:

Safety goggles, in case of risk.

Skin protection:

Heat-resistant protective clothing.

General protective measures:

Do not inhale vapours.

Hygiene measures:

At work do not eat, drink, smoke or take drugs.

Work in rooms with good ventilation.

After work wash thoroughly.

EC-Safety Data Sheet 1907/2006/EC Zahnvaseline

9. Physical and Chemical properties

<u>Form:</u>	pasty
<u>Colour:</u>	white
<u>Odour:</u>	odourless
<u>Important health, safety and environmental information:</u>	
<u>Melting point:</u>	50-56°C (DIN/ISO 2207)
<u>Flashpoint:</u>	> 150°C (DIN/ISO 2592)
<u>Density:</u>	ca. 0,82g/cm ³ at 80°C (DIN 51757)
<u>Viscosity 1 kinematic:</u>	5,5-7,5 at 100°C (DIN 51562)
<u>Additional information:</u>	
Purity correspond DAB, latest edition.	

10. Stability and reactivity

<u>Materials to avoid:</u>	
Reactions with strong oxidants.	
<u>Hazardous decomposition products:</u>	
In case of incomplete combustion: Formation of hazardous gases, see point 5.	

11. Toxicological information

<u>Acute toxicity/irritability/sensitization:</u>	
LD 50 acute oral	Not determined
LD 50 acute dermal	Not determined
LC 50 acute inhalation	Not determined
Irritability skin:	From long-years application no skin irritating effects could be stated by using this substance in medicinal preparation.
Irritability eye:	Not determined
<u>Experiences made from practice:</u>	
In the USA Vaseline are classified as "generally regarded as safe" (GRAS)	

12. Ecological information

<u>Data on elimination (persistence and degradability):</u>	
Biological degradability:	Potential biodegradable
Degradability according to WRMG	the product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.
<u>Behaviour in sewage plant:</u>	
Mechanical separation in sewerage plants.	
<u>General regulation:</u>	
Do not discharge product unmonitored into the environment.	
As per the today's knowledge no ecologic dangers are known.	

EC-Safety Data Sheet 1907/2006/EC Zahnvaseline

13. Disposal considerations

Waste code No.	12 01 12
Name of waste	Spent waxes and fats
Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.	
<u>Recommendations for the product:</u>	
The disposal code is just a recommendation. Contact your local experts to obtain information about use or disposal of the material involved.	
The indication about disposal refers to the product and its residues. If the product is mixed with other materials or preparations an individual evaluation should be necessary.	
<u>Recommendations for packaging:</u>	
Contaminated packaging should be emptied as far as possible and after a appropriate cleaning may be taken for reuse.	

14. Transport information

<u>Land and inland navigation transport ADR/RID:</u>
No hazardous material as defined by the prescriptions.
<u>Marine transport (IMDG):</u>
No hazardous material as defined by the prescriptions.
<u>Air transport (ICAO/IATA-DGR):</u>
No hazardous material as defined by the prescriptions.

15. Regulatory information

<u>Remarks for classification:</u>
The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.
<u>S-phrases:</u>
2300 Do not breathe gas/fumes/vapour/spray.
<u>National regulations:</u>
Decree for case of interference/remarks Not applicable
<u>German TA LUFT remarks:</u>
Own classification as per Addendum E: Organic Substances Class III
<u>Water hazard class:</u>
No water endangering substance in the sense of Administrative Instruction (VwVwS), Addendum 1
<u>Other regulations, restrictions and prohibition regulations:</u>
ZH 1/134 Breathing apparatus data sheet
ZH 1/132 "Data Sheet: Skin protection (M042)"

16. Other information

<u>Further information:</u>
Above information corresponds to our present knowledge and experience. It is not a guarantee that no errors or incomplete data may be contained.