


# Material Safety Data Sheet

Acc. to 91/155/EEC adjustment acc. to Directive 2001/58/EC  
Hoffmann Dental Manufaktur GmbH

Reviewed on: 16 December 2009

1. Identification of substance, manufacturer's name													
<p style="text-align: center;"><b>Product details/Trade name:</b></p>  <p><b>HOFFMANN'S</b> ADHESIVE WAX YELLOW, STICKS</p> <p><b>Manufacturer/Supplier:</b> Wangenheimstr. 37/39, D-14193 Berlin Telephone: ++49 (0) 30 / 85 10 27 3 Fax: ++49 (0) 30 / 82 70 45 40</p> <p><b>Information department/Emergency information:</b> Quality assurance department, telephone: ++49 (0) 30 / 85 10 27 52 e-mail: sicherheit@hoffmann-dental.com</p>													
2. Composition/Data on ingredients													
<p><b>Chemical characterization:</b> <b>Description:</b> Mixture of below-mentioned substance with innocuous additions.</p> <table border="1"><thead><tr><th colspan="4">Hazardous ingredients:</th></tr></thead><tbody><tr><td>CAS: 8050-09-7</td><td>Colophony</td><td>R 43</td><td>70 – 80 %</td></tr><tr><td>EINECS: 232-475-7</td><td></td><td></td><td></td></tr></tbody></table>		Hazardous ingredients:				CAS: 8050-09-7	Colophony	R 43	70 – 80 %	EINECS: 232-475-7			
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EINECS: 232-475-7													
3. Hazards identification													
<p><b>Hazard description:</b> Not applicable. <b>Special danger warning for human and environment:</b> The product has to be labelled due to the calculation procedure of the „EU-Directive of the General Classification of Preparations“ in the latest valid version. R 43: Sensitisation through skin contact is possible. <b>Classification system:</b> The classification is in compliance with the current EU-lists, but is also completed with details given by technical literature and company.</p>													
4. First aid measures													
<p>- <b>After inhaling:</b> - <b>After skin contact:</b> - <b>After eye contact:</b> - <b>After swallowing:</b></p>	<p>Not applicable. Remove by washing under the running water. Flush opened eye with running water for several minutes, consult an eye specialist. (A plenty of substance) In case of feeling unwell consult a physician.</p>												
5. Fire fighting measures													
<p><b>Suitable extinguishing agents:</b> <b>Special protective equipment:</b> <b>Other information:</b></p>	<p>Adapt to the environment. No special measures are required. Prevent any spillage of water for fire fighting from entering the surface and ground waters.</p>												
6. Accidental release measures													
<p><b>Person-related safety precautions:</b> <b>Environmental precautions:</b> <b>Methods of cleaning up:</b></p>	<p>Not required. Prevent any spillage from entering the sewage system and the surface waters. Pick up the remainders mechanically and dispose of.</p>												
7. Handling and storage													
<p><b>Handling:</b> The product is only for dental use.</p>													

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- **Information about safe handling:** No special measures are required.
- **Information about protection against explosion and fire:** No special measures are required.
  
- Storage:**
- **Information about storage:** Store tightly closed and dry in original container.
- **Requirements for storage rooms:** No special requirements.

## 8. Exposure controls and personal protection

### Data on limiting values that require monitoring at the workplace:

Ingredients with limiting values that require monitoring at the workplace	
TLV	None

**Technical protective measures:** not required.

**Personal protective equipment:**

**Respiratory protection:** Not required.

**Skin protection:** Wear protective gloves; the glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to absent tests no recommendations about the glove material can be given for the product/the preparation/the chemical mixture. The selection of the glove material should be in consideration of the breakthrough time, kinds of permeation and the degradation.

**Material of gloves:** The selection of the suitable gloves does not only depend on material but also on further quality characteristics and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has to be checked prior to the application.

**Penetration time of glove material:** The exact breakthrough time is to be obtained from the manufacturer of the protective gloves and has to be observed.

**For the permanent contact in application areas without increased risk of injury (e. g. lab) gloves made of the following materials are suitable:**

Natural rubber (Latex).

**For the permanent contact of a maximum of 15 minutes gloves made of the following material are suitable:**

Natural rubber (Latex).

**Eye protection:** Recommended: Protective goggles with side protection.

**Body protection:** Lightweight protective clothing.

**General protective and hygienic measures:** The usual precautionary measures for contact with chemicals are to observe.

## 9. Physical and chemical properties

General information:	
<b>Form:</b>	solid, sticks
<b>Colour:</b>	yellow
<b>Odour:</b>	specific
<b>Change in state</b>	
<b>Boiling point/boiling range:</b>	not applicable
<b>Melting point/melting range:</b>	68 – 72 °C
<b>Flashpoint:</b>	not applicable
<b>pH-value:</b>	not applicable
<b>Autoflammability:</b>	Product does not self ignite
<b>Danger of explosion:</b>	Product is not explosive
<b>Density (at 20 °C):</b>	not applicable
<b>Solubility in water:</b>	insoluble
<b>Solvent content:</b>	
Organic solvents:	0,0 %
Water:	0,0 %
VOC EU:	0,0 %
Solid content:	100 %

## 10. Stability and reactivity

**Conditions to be avoided:** No decomposition when used according to the

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<b>Hazardous reactions:</b>	regulations.				
<b>Hazardous decomposition products:</b>	Do not heat above 80 °C. No hazardous reactions are known. No hazardous decomposition products are known.				
<b>11. Toxicological information</b>					
<b>Values given below refer to basic substance colophony.</b>					
<b>Subacute to chronic toxicity :</b>					
Sensitisation:	<u>Research on human:</u> may cause sensitising effect				
Mutagenicity Test: Ames-Test:	Negative; no mutagenic effect.				
<b>Additional toxicological information:</b>	In our experience and relating to the available information the product does not cause any noxious effects when used and handled in compliance with the specifications				
<b>12. Ecological information</b>					
<b>Referring to main substance:</b>					
<b>Biological decomposition:</b>	Not determined.				
<b>Ecotoxicological information:</b>	Quantitative data about ecological effects are not available for this product.				
<b>Biological effects:</b>	Not determined.				
<b>General information:</b>	Water hazard class 1 (slight hazardous to waters; self-assessment)				
<b>13. Disposal details</b>					
<b>Product:</b>	Small amounts can be disposed of together with domestic waste. Large amounts must be disposed of in accordance with the official regulations.				
<table border="1"><tr><td colspan="2"><b>European Waste Catalogue</b></td></tr><tr><td>18 01 04</td><td>Waste whose collection and disposal is not subject to special requirements in order to prevent infection</td></tr></table>		<b>European Waste Catalogue</b>		18 01 04	Waste whose collection and disposal is not subject to special requirements in order to prevent infection
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<b>Packaging:</b>	Recommendation: Empty packaging can be disposed of together with domestic waste or recycled.				
<b>14. Transport information</b>					
<b>Land transport ADR/RID :</b>	Not dangerous according to the transportation regulations.				
<b>Maritime transport IMDG /GGV sea:</b>	Not dangerous according to the transportation regulations.				
<b>Air transport IATA-DGR:</b>	Not dangerous according to the transportation regulations.				
<b>15. Regulations</b>					
<b>Labelling according to EU guideline:</b>	The product must not be classified and labelled in accordance with EU-Directives / Ordinance on Hazardous Materials (GefStoffV). Medical products must not be labelled according to Chemical Act (ChemG §2 (1) 2).				
<b>Risk phrases:</b> R 43,	Sensitisation through skin contact is possible.				
<b>Safety phrases:</b> S 22	Do not inhale dust, vapors or sprays.				
S 24 - 37	Prevent skin contact and wear appropriate gloves.				
<b>National regulations:</b>	Water hazard class: water hazardous class 1 (slight hazardous to the waters), self-assessment.				
<b>16. Other information</b>					
This information is based on our present knowledge. However, they do not represent a guarantee for any product features and do not establish a contractual relationship.					
<b>Department issuing MSDS:</b> Quality assurance department					