


Material Safety Data Sheet

according to 1907/2006/EC, Article 31
Hoffmann Dental Manufaktur GmbH

Reviewed on: 08 June 2012

1. Identification of substance and manufacturer's name													
Product details/Trade name:													
													
HOFFMANN'S SHELLAC BASE PLATES													
Manufacturer/Supplier: Wangenheimstr. 37/39, D-14193 Berlin Telephone: +49 (0) 30 / 82 00 99 0 Fax: +49 (0) 30 / 82 28 145													
Information department/Emergency information: Quality assurance department e-mail: sicherheit@hoffmann-dental.com													
2. Composition/Data on ingredients													
Chemical characterization: Description: Mixture of talc, shellac and further innocuous substances.													
<table border="1"><thead><tr><th colspan="4">Hazardous ingredients:</th></tr></thead><tbody><tr><td>CAS: 1314-13-2</td><td>Talc</td><td></td><td>50 – 60 %</td></tr><tr><td>EINECS: 215-222-5</td><td></td><td></td><td></td></tr></tbody></table>		Hazardous ingredients:				CAS: 1314-13-2	Talc		50 – 60 %	EINECS: 215-222-5			
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EINECS: 215-222-5													
3. Hazards identification													
Hazard designation: Not applicable. Special danger warning for human and environment: The product must not be labelled due to the calculation procedure of the „EU-Directive of the General Classification of Preparations“ in the latest valid version. Classification system: The classification is in compliance with the current EU-lists, but is also completed with details given by technical literature and company.													
4. First aid measures													
- After inhaling: Not applicable. - After skin contact: Not applicable. - After eye contact: Not applicable. - After swallowing: (A plenty of substance) In case of feeling unwell consult a physician.													
5. Fire fighting measures													
Suitable extinguishing agents: Adapt to the environment. Special protective equipment: Adapt to the environment. Other information: Prevent any spillage of water for fire-fighting from entering surface or ground waters. No special measures are required.													
6. Accidental release measures													
Person-related safety precautions: No special measures required. Environmental precautions: Prevent any spillage from entering the sewage system. Methods of cleaning up: Pick up the remainders mechanically and dispose of.													
7. Handling and storage													
Handling: The product is only for dental use. - 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 dry. - Requirements for storage rooms: No special requirements.													

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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	
None	
TLV	Not applicable

Technical protective measures: not required.

Notice: The lists that were valid during the creation were used as basis.

Personal protective equipment:

Respiratory protection: Not required.

Skin protection: 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. Suitable glove material is e. g. butyl rubber, fluorocarbon rubber (Viton), natural rubber (Latex). For the permanent contact of a maximum of 15 minutes gloves made of PVC or PE are suitable.

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.

Eye protection: Protective goggles are not necessary.

Body protection: Lightweight protective clothes.

General protective and hygienic measures:

The usual precautionary measures for contact with chemicals are to observe.

9. Physical and chemical properties

General information:	
Form:	Solid, plates
Colour:	Pink
Odour:	Specific
Change in state	
Boiling point/boiling range:	Not determined.
Melting point/melting range:	Softening point at approximately 50 °C
Flashpoint:	Not applicable
pH-value:	Not applicable
Auto flammability:	Product does not self ignite
Danger of explosion:	Product is not explosive
Density (at 20 °C):	Not applicable
Solubility in water:	Insoluble
Solvent content:	
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 regulations. Do not heat above 80 °C.
Hazardous reactions:	No hazardous reactions are known.
Hazardous decomposition products:	No hazardous decomposition products are known.

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11.	Toxicological information				
From subacute to chronic toxicity : Sensitisation: <u>Research on human</u> : No sensitising effect of the ingredients is known Mutagenicity, Ames-Test: negative; no mutagenic effect. Additional toxicological information: In our experience and relating to the available information the product does not cause any noxious effects when used and handled according to regulations Acute toxicology: In our experience the product does not cause any noxious effects when used and handled according to regulations. Irritation effect: No irritation effects are known.					
12.	Ecological information				
Referring to main substance: Biological decomposition: Not determined. Ecotoxic information: Quantitative data for ecological effects are not available. Biological effects: Not determined. General information: Water hazard class 1 (self-assessment): slight hazardous to waters.					
13.	Disposal details				
Product: 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" data-bbox="295 1102 1273 1211"><tr><td colspan="2">European Waste Catalogue</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> Packaging: Recommendation: Empty packaging can be disposed of together with domestic waste or recycled.		European Waste Catalogue		18 01 04	Waste whose collection and disposal is not subject to special requirements in order to prevent infection.
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14.	Transport information				
Land transport ADR/RID : Not dangerous according to the transportation regulations. Maritime transport IMDG /GGV sea: Not dangerous according to the transportation regulations. Air transport IATA-DGR: Not dangerous according to the transportation regulations.					
15.	Regulations				
Labelling according to EU-Directive: The product must not be labelled in accordance with EU-Directives / Ordinance on Hazardous Materials (GefStoffV). Medical products must not be labelled according to the Chemicals Act (ChemG §2 (1) 2). National regulations: Water hazard class: 1 (slight hazardous to waters), self-assessment.					
16.	Other information				
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. Department issuing MSDS: Quality assurance department					