


Material Safety Data Sheet

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

Reviewed on: 18 June 2012

1. Identification of substance and manufacturer's name			
Product details/Trade name:			
			
HOFFMANN'S CARBOXYLAT CEMENT, Liquid			
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 water and below-mentioned substances with innocuous additions.			
Gefährliche Inhaltsstoffe:			
CAS 9003-01-4	Polyacrylic acid	Warning; H315, H319, H335 Xi; R 36/37/38	40%
3. Hazards identification			
Hazard designation: Xi Irritant			
Special danger warning for human and environment: 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.			
H315: Causes skin irritation.			
H319: Causes serious eye irritation			
H335: May cause respiratory irritation			
R36/37/38: Irritating to eyes, respiratory system and skin			
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			
General warnings: Remove contaminated clothing immediately.			
- After skin contact: Remove by washing with soap under the running water. Generally the product is not irritating to skin.			
- After eye contact: Immediately flush opened eye under running water for several minutes, consult an eye specialist.			
- After swallowing: (A plenty of substance) induce vomiting and consult a physician.			
- After inhaling: Not applicable.			
5. Fire fighting measures			
Suitable extinguishing agents: Adapt to the environment.			
Special protective equipment: No special measures required.			
Special information: None.			

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6. Accidental release measures							
Person-related safety precautions:	No special measures are required.						
Environmental precautions:	Prevent spillage of large product amounts from entering waters and sewage system. Dilute with plenty of water.						
Methods of cleaning up:	Absorb with liquid binding material (chemical binders; use cellulose for small amounts). Remove the remainders with water and detergents.						
7. Handling and storage							
Handling:	The product is only for dental use.						
- Information for safe handling:	Keep containers tightly closed.						
- Information about protection against explosion and fire:	No special measures are requires.						
Storage:							
- Information about storage:	Store dry and tightly closed in original container; frost-free and not above 25 °C.						
- Information about storage in one common storage facility:	Nor required.						
- Requirements for storage rooms:	No special requirements.						
8. Exposure controls and personal protection							
Data on limiting values that require monitoring at the workplace:							
<table border="1"><thead><tr><th colspan="2">Ingredients with limiting values that require monitoring at the workplace</th></tr></thead><tbody><tr><td colspan="2">None</td></tr><tr><td>TLV</td><td>Not applicable</td></tr></tbody></table>		Ingredients with limiting values that require monitoring at the workplace		None		TLV	Not applicable
Ingredients with limiting values that require monitoring at the workplace							
None							
TLV	Not applicable						
Technical protective measures: Not required.							
Personal protective equipment:							
Respiratory protection: Not required.							
Skin protection: Wear suitable 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. 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 with side protection are recommended.							
Body protection: Lightweight protective clothing.							
General protective and hygienic measures:							
The usual precautionary measures for contact with chemicals are to observe.							

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9. Physical and chemical properties

General information:	
Form:	Liquid
Colour:	Colourless
Odour:	Odourless
Change in state	
Boiling point/boiling range:	not determined
Melting point/melting range:	not determined
Flashpoint:	not applicable
pH-value:	1,5 – 2,5
Autoflammability:	Product does not self ignite
Danger of explosion:	Product is not explosive
Density at 20 °C:	1,1800 g/cm ³
Solubility in water:	fully miscible
Solvent content:	
Organic solvents:	0,0 %
Water:	60 %
VOC EU:	0,0 %

10. Stability and reactivity

Conditions to be avoided:	No decomposition when used according to the regulations.
Hazardous reactions:	No hazardous reactions are known when used according to regulations.
Hazardous decomposition products:	No hazardous decomposition products are known.

11. Toxicological information

Acute toxicity: Owing to the operational experience the product does not cause any noxious effects when used handled according to regulations.

Primary skin irritation effect:	
- Skin:	No irritation
- Eye:	No irritation

The product must not be labelled according to the calculation method of the „EU-Directive of the General Classification of Preparations“ in the latest version.

12. Ecological information

Referring to main substance:	
Biological decomposition:	Is not determined.
Ecotoxicological information:	Quantitative data about ecological effects are not available for this product.
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 according to official regulations.

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:
Maritime transport IMDG/GGV sea:
Air transport IATA-DGR:

Not indicated as an hazardous substance.
Not indicated as an hazardous substance.
Not indicated as an hazardous substance.
Not dangerous according to all transportation regulations.

15. Regulations according to GHS

Signal word: Warning

Hazard pictogram:



Hazard Statements:

H315: Causes skin irritation.
H319: Causes serious eye irritation
H335: May cause respiratory irritation

Precautionary Statements:

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P337 + P313: If eye irritation persists get medical advice/attention

16. Regulations

Labelling according to the EU-Directive:

The product has been classified and labelled in accordance with EU-Directives / Ordinance on Hazardous Materials (GefStoffV)

Labels:



Xi Irritant

Risk phrases: R36/37/38: Irritating to eyes, respiratory system and skin

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

National regulations:

Water hazard class: 2 (hazardous to waters), self-assessment.

17. 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