Reviewed on: 18 June 2012

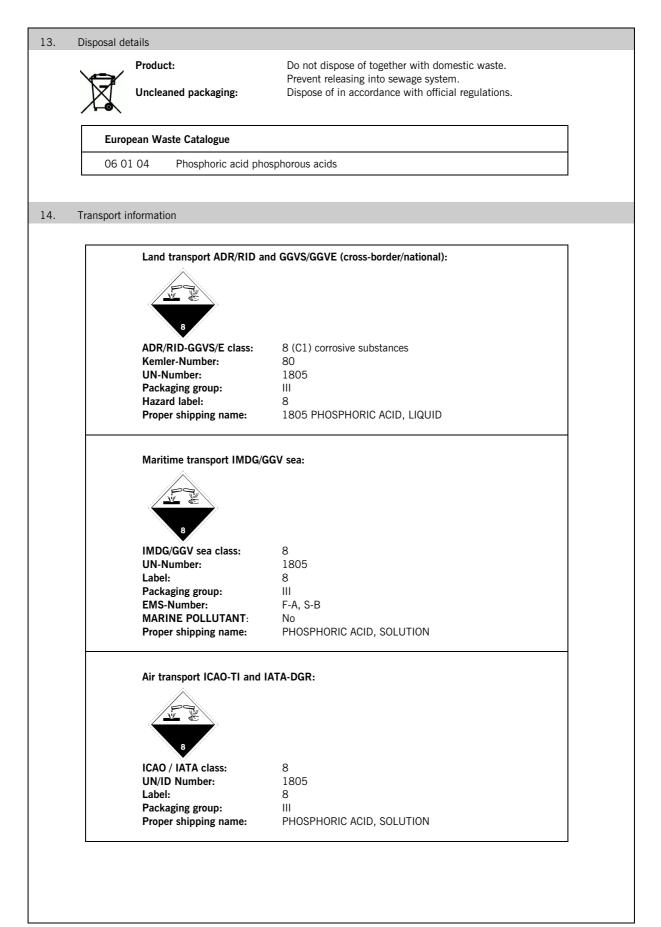
1.	Identification of substance and	I manufacturer's name						
	Product details/Trade name:							
	HOFFMANN'S COPP	ER CEMENT, Liquid						
	Manufacturer/Supplier: Wangenheimstr. 37/39, D-14 Telephone: +49 (0) 30 / 82 0 Fax: +49 (0) 30 / 82 2	193 Berlin 0 99 0						
	Information department/Emerge Quality assurance department e-mail: sicherheit@hoffmann-o							
2.	Composition/Data on ingredier	its						
	Chemical characterization: Description: Mixture of below-mentioned substances with innocuous additions.							
	Hazardous ingredients:							
	CAS: 1314-13-2 EINECS: 215-222-5	Zinc Oxide	Warning; H411 N; R 51/53	10 – 15 %				
	CAS: 7664-38-2 EINECS: 231-633-2	Ortho-Phosphoric Acid	Danger; H314 C; R 34	> 50 %				
. Hazar	rds identification							
	C Special danger warning for hu The product has to be labelled Preparations" in the latest vali- H314: Causes seve H411: Toxic to aqu R 34: Causes burn R 51/53: Toxic to aqu Classification system:	due to the calculation procedure d version. re skin burns and eye damage. latic life with long lasting effects.	erm harmful effects in	the waters.				
4.	First aid measures							
	General information:Remove contaminated clothes immediately After skin contact:Remove with soap by washing under the running water After eye contact:Immediately flush opened eye under running water for several minutes (at least 10 consult an eye specialist After swallowing:Drink plenty of water, do not induce vomiting (danger of perforation), and consult an eye specialist.							
	- After inhaling:	physician immediately. Not applicable.						
5.	Fire fighting measures							
	Suitable extinguishing agents:	Not applicable						

Material Safety Data Sheet according to 1907/2006/EC, Article 31 Hoffmann Dental Manufaktur GmbH

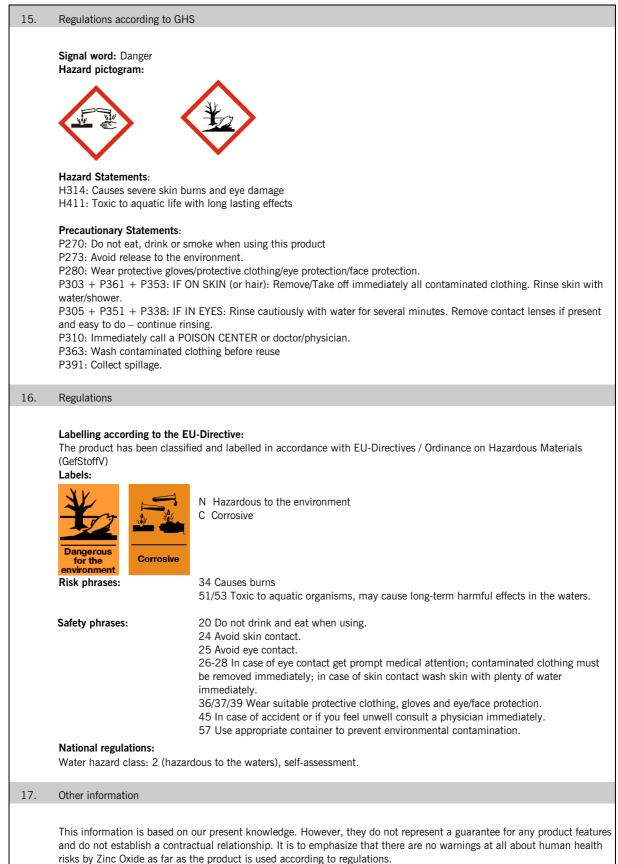
Accidental release measures	
Person-related safety precautions:	Wear personal protective clothing.
Environmental precautions:	Inform responsible authorities in case of spillage into waters or sewage system. Dilute with plenty of water.
Methods of cleaning up:	Absorb with liquid-binding material (chemical binders; use cellulose for small amounts). Use neutralizing agent.
Additional information:	See chapter 8 for information about personal protective equipment. See chapter 13 for disposal information.
Handling and storage	
Handling:	The product is only for dental use.
- Information about safe handling: - Information about protection	Keep containers tightly closed.
against explosion and fire:	No special measures are required.
Storage: - Information about storage: - Information about storage in	Store dry and tightly closed in original container.
one common storage facility:	Not required.
- Requirements for storage rooms:	No special requirements.
Exposure controls and personal protection	
Data on limiting values that require mon	nitoring at the workplace: It require monitoring at the workplace
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Data on limiting values that require model Ingredients with limiting values that CAS 7664-38-2 Ortho-Phosphoric A TLV 1 mg/m ³	nitoring at the workplace: at require monitoring at the workplace Acid (EU-No.: 231-633-2) EU
Data on limiting values that require mode Ingredients with limiting values that CAS 7664-38-2 Ortho-Phosphoric A TLV 1 mg/m³ Technical protective measures: Not required. Skin protection: Not required. Skin protection: Wear suitable protective product/the substance/the preparation. D the product/the preparation/the chemica breakthrough time, kinds of permeation Material of gloves: The selection of th characteristics and varies from manuface resistance of the glove material can not glove material is e. g. butyl rubber, fluc maximum of 15 minutes gloves made of	nitoring at the workplace: Acid (EU-No.: 231-633-2) EU uired. e gloves; the glove material has to be impermeable and resistant to the Due to absent tests no recommendations about the glove material can be given I mixture. The selection of the glove material should be in consideration of the and the degradation. e suitable gloves does not only depend on material but also on further quatturer to manufacturer. As the product is a preparation of several substances, be calculated in advance and has to be checked prior to the application. Suita procarbon rubber (Viton), natural rubber (Latex). For the permanent contact or the permanent
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	General information:				
	Form:	liquid			
	Colour:	colourless			
	Odour:	odourless			
	Change in condition				
	Boiling point/boiling range:	> 100 °C			
	Melting point/melting range:	Not determined			
	Flashpoint:	Not applicable			
	pH-value:	1 – 2			
	Autoflammability:	Product does not self ignite			
	Danger of explosion:	Product is not explosive			
	Density at 20 °C:	1,8 g/cm ³			
	Solubility in water:	Fully miscible			
	Solvent content:				
	Organic solvents:	0,0 %			
	Water:	25 %			
	VOC EU:	0,0 %			
	Solid content:	19 %			
	L				
0.	Stability and reactivity				
	Conditions to be avoided:	No decomposition when used according to regulations.			
	Hazardous reactions:	No hazardous reactions are known.			
	Hazardous decomposition products:	No hazardous decomposition products are known.			
1.	Toxicological information				
	Values given below refer to basic substance Phosphoric Acid.				
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	Acute toxicity: In our experience the p	tance Phosphoric Acid. roduct does not cause any noxious effects when used and handled according to			
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Department issuing MSDS: Quality assurance department