



NATIONAL POISONS INFORMATION 13 11 26

VOCO

Material-Safety Data Sheet (Directive 91/155/EEC)

1	<p><u>Names of Material, Preparation and Company</u> trade name: Vococid gel/liquid manufacturer/supplier: VOCO GmbH address: Anton-Flettner-Str. 1-3 D - 27472 Cuxhaven information sector: Scientific Department emergency information: Scientific Department</p> <p>Tel.: +49-4721/71 9 - 0 Fax: +49-4721/71 9 - 109 Tel.: +49-47 21/71 9 - 0 emergency call: +49-47 21/71 9 - 0</p>										
2	<p><u>Composition/Details on Components</u> preparation: mixture of phosphoric acid, water, dyestuff and additives description: etching agent for the acid etch technique hazardous ingredients:</p> <table border="1"> <thead> <tr> <th>name</th> <th>CAS-No.</th> <th>content</th> <th>danger symbol</th> <th>R-categories</th> </tr> </thead> <tbody> <tr> <td>phosphoric acid</td> <td>7664-38-2</td> <td>35-39 %</td> <td>C</td> <td>34</td> </tr> </tbody> </table>	name	CAS-No.	content	danger symbol	R-categories	phosphoric acid	7664-38-2	35-39 %	C	34
name	CAS-No.	content	danger symbol	R-categories							
phosphoric acid	7664-38-2	35-39 %	C	34							
3	<p><u>Possible Risks</u> designation of risk: Xi, irritant special details of risk (R-categories): 36/37/38 detrimental effects/symptoms: irritant in case of eye, skin and inhalation contact</p>										
4	<p><u>First-Aid-Measures</u> general information: after inhalation: fresh air, in case of indisposition or nausea contact a doctor after skin contact: rinse thoroughly with plenty of water after eye contact: rinse thoroughly with water, contact a doctor after swallowing: contact immediately a physician information for the attending physician: material for dental or laboratory use only</p>										
5	<p><u>Fire Fighting Measures</u> suitable fire extinguishing agents: foam, carbon dioxide, powder fire extinguishers unsuitable fire extinguishing agents: water particular hazards: none fire fighting protective equipment: no data available</p>										
6	<p>Measures in Case of Unintended Release measures related to persons: avoid eye and/or skin contact environmental measures: do not let the material get in contact with sewerage systems procedures of cleaning/uptake: take up mechanically, use common absorbents additional information: none</p>										
7.	<p><u>Handling and Storage</u> 7.1 handling: only by qualified staff in dental offices or dental laboratories instructions for safe handling: see instructions for use instructions on fire and explosion protection: no special measurements are required 7.2 Storage: tightly closed at room temperature demands on storerooms and containers: store in good ventilated rooms and areas indications and prohibitions of storage together with other materials: do not store together with food further details on storage conditions: keep out of the reach of children</p>										

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Material-Safety Data Sheet (Directive 91/155/EEC)

according to: 91/155/EEC

trade name: Vococid gel/liquid

date: 07.07.95/01

revised on: 06/06/2006



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8		<u>Exposition Restriction and Personal Protective Equipment</u>	
8.1	additional information on the equipment of technical facilities: none		
8.2	components with limiting values related to place of work:		
	CAS-No.	name	kind value unit
additional information: hazards related to place of work are not known.			
8.3	personal protective equipment: dental office or laboratory working clothes		
	breathing protection: do not breathe or inhale vapour or dust		
	hand protection: use of protective gloves is recommended		
	eye protection: use of protective glasses is recommended		
	body protection:		
	protective and hygiene measures: washing hands		
9		<u>Physical and Chemical Properties</u>	
9.1	appearance: gel or liquid		
	form: gel or liquid		
	colour: blue		
	odour: slightly specific		
9.2	safety data:	tested acc. to:	
	pH upon delivery:		0.5 – 1.0
	pH of 10g/l H ₂ O and 20°C:		no data available
	change of state:		no data available
	boiling point/area:		no data available °C
	melting point/area:		no data available °C
	flash point:		no data available °C
	inflammability:		no data available
	ignition temperature:		no data available °C
	autoignition:		no data available
	fire advancing properties:		no data available
	explosion hazards:		no data available
	explosion limits: LEL:		UEL: no data available
	vapour pressure (°C)		no data available
	density (°C)		no data available hPa
	bulk density:		no data available
	solubility in water (20°C) (°C):		no data available mg/l
	in (°C)		no data available mg/l
	solubility in fat:		no data available
	distribution coefficient n-octanol/water:		no data available
	viscosity (°C):		no data available
	solvent separation test:		no data available %
	solvent content:		no data available %
9.3	further particulars: none		
10		<u>Stability and Reactivity</u>	
	conditions to be avoided:	none if used in the recommended way	
	materials to be avoided:	strong alkaline hydroxide sol., non-noble metals	
	hazardous products of decomposition:	none if used in the recommended way	
	further particulars:	none	

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11. Toxicological Data						
11.1 toxicological Test: no data available						
acute toxicity: no data available						
LD₅₀/LC₅₀:	component	kind	value	species	method of determination	
specific symptoms in animal test:				no data available		
irritant effect/corrosive action:				no data available		
sensitization:				no data available		
effects of repeated exposure or overexposure (subacute or chronic toxicity):				no data available		
carcinogenic and mutagenic effects hazardous to reproduction:				no data available		
other particulars:				no data available		
11.2 practical experience: no data available						
observations relevant to classifications: no data available						
other observations: no data available						
11.3 general remarks: during long-standing product application risks have not become known.						
12 Ecological Data						
12.1 information on elimination: no data available						
procedure	analytic method	degree of elimination		classification		
evaluation: no data available						
additional information: no data available						
12.2 behaviour in environmental compartments: no data available						
mobility and bioaccumulation potential: no data available						
additional information: none						
12.3 environmental toxic effects: no data available						
aquatic toxicity: no data available						
organism	test period	test method	result	assessment		
behaviour in sewage plants: no data available						
respiratory inhibition of local vitalised sludge: no data available						
12.4 additional information: none						
CSB-value: no data available mg/g						
BSB₅-value: no data available mg/g						
AOX-indication: no data available						
contains the following heavy metals and compounds (corresponding to guideline 76/464/EWG) according to preparation formula: none						
general information: none						
13 Disposal Instructions						
13.1 product:						
recommendation: obey local and governmental regulations						
waste category	waste name	accountability				
13.2 uncleaned packing material:						
recommendation: obey local and governmental regulations						
cleaning agents: obey local and governmental regulations common cleansing agents for the laboratory						

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trade name: Vocoid gel/liquid

revised on: 06/06/2006



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14	Particulars on Transport		
14.1	land carriage: ADR/RID/GGVS/GGVE-class: 8 warning label: C designation of goods: corrosive remarks:	figure/letter: 17c risk no.:	material no.:
14.2	inland transport by ship: ADN/ADNR-class: 8 designation of goods: corrosive remarks:	figure/letter: 17c	category:
14.3	see transport: IMDG/GGV sea class: 8/III EMS: marine pollutant: correct technical name: phosphoric acid remarks:	UN-No.: 1805 MFAG:	PG:
14.4	air transport: ICAO/IATA-class: 8 correct technical name: phosphoric acid remarks:	UN/ID-No.: 1805	PG:
14.5	further particulars: No hazardous goods within the meaning of transport regulations in quantities < 100 ml		
15	Regulation		
15.1	marking: acc. to governmental regulations concerning declaration of dangerous chemicals a marking is prescribed danger symbol and designation: C, corrosive contains: phosphoric acid R-categories: 34 S-categories: 26-36/37/39-45 special marking of particular preparations: none		
15.2	national regulations: acc. to article 10 of Directive 66/379 EEC and 67/548 EEC restrictions of employment: none instructions in case of interference: none classification acc. VbF: not applicable technical instruction air: not applicable water pollution class: 1 other regulations, restrictions and prohibitions: Directive 91/155 EEC; medical product acc. to 93/42 EEC (medical products).		
16	Other Particulars All information above has been given according to our present state of knowledge. It has been compiled to the best of our knowledge. The above -mentioned data do not represent a guarantee on characteristics. They only describe the safety requirements with regard to our products. They do not represent an assurance of product characteristics in the meaning of guarantees.		

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