

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

1	<u>Names of Material, Preparation and Company</u>	
	trade name:	Provicol/C/QM
	manufacturer/supplier	VOCO GmbH
	address:	Anton-Flettner-Str. 1-3 D - 27472 Cuxhaven
	information sector:	Scientific Department
	emergency information:	Scientific Department
	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
2	<u>Composition/Details on Components</u>	
	preparation:	Mixture of zinc oxide, calcium hydroxide, polyglycols, rosin, fumed silica, fatty acid esters
	description:	Eugenol-free temporary cement with calcium hydroxide
	hazardous ingredients:	
	name	CAS-No. content danger symbol R-categories
3	<u>Possible Risks</u>	
	designation of risk:	Xn, harmful
	special details of risk (R-categories):	20/21/22
	detrimental effects/symptoms:	Harmful by inhalation, in contact with skin and if swallowed
4	<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
5	<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
6	<u>Measures in Case of Unintended Release</u>	
	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
7.	<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:	
	demands on storerooms and containers	tightly closed at room temperature 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

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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 breath 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:	paste/paste		
	form:	pasty/pasty		
	colour:	white/white		
	odour:	specific		
9.2	safety data:	tested acc. to:		
	pH upon delivery:	no data available		
	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:	none if used in the recommended way		
	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	<u>Ecological Data</u>					
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/EEG) according to preparation formula: none					
	general information: none					
13	<u>Disposal Instructions</u>					
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: common cleansing agents for the laboratory					

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14	<u>Particulars on Transport</u>		
14.1	land carriage:		
	ADR/RID/GGVS/GGVE-class:	figure/letter:	material no.:
	warning label:	risk no.:	
	designation of goods:		
	remarks:		
14.2	inland transport by ship:		
	ADN/ADNR-class:	figure/letter:	category:
	designation of goods:		
	remarks:		
14.3	see transport:		
	IMDG/GGV sea class:	UN-No.:	PG:
	EMS:	MFAG:	
	marine pollutant:		
	correct technical name:		
	remarks:		
14.4	air transport:		
	ICAO/IATA-class:	UN/ID-No.:	PG:
	correct technical name:		
	remarks:		
14.5	further particulars:	No hazardous goods within the meaning of transport regulations	
15	<u>Regulation</u>		
15.1	marking:	acc. to governmental regulations concerning declaration of dangerous chemicals no marking is prescribed	
	danger symbol and designation:	none	
	contains:		
	R-categories:	none	
	S-categories:	none	
	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:	no data available	
	other regulations, restrictions and prohibitions:	Directive 91/155 EEC; medical product acc. to 93/42 EEC (medical products).	
16	<u>Other Particulars</u>		
	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.		