

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

1	<u>Names of Material, Preparation and Company</u>				
	trade name:	Calcicur			
	manufacturer/supplier	VOCO GmbH	Tel.:	+49-4721/71 9 - 0	
	address:	Anton-Flettner-Str. 1-3 D - 27472 Cuxhaven	Fax:	+49-4721/71 9 - 109	
	information sector:	Scientific Department	Tel.:	+49-47 21/71 9 - 0	
	emergency information:	Scientific Department	emergency call:	+49-47 21/71 9 - 0	
2	<u>Composition/Details on Components</u>				
	preparation:	Mixture of calcium hydroxide, water, cellulose derivatives and barium sulfate			
	description:	ready-to-use radiopaque water-based calcium hydroxide for direct pulp capping and temporary root canal filling			
	hazardous ingredients:				
	name	CAS-No.	content	danger symbol	R-categories
	calcium hydroxide	1305-62-0	40-45 %	Xi	R41
3	<u>Possible Risks</u>				
	designation of risk:				Xi
	special details of risk (R-categories):				41
	detrimental effects/symptoms:				danger of serious eye damages
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:	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			

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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:		paste	
	form:		pasty	
	colour:		white to slightly yellow	
	odour:		nearly odourless	
9.2	safety data:		tested acc. to:	
	pH upon delivery:		> 12	
	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:		acid conditions	
	materials to be avoided:		strong acids and their salts	
	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					
	LD ₅₀ /LC ₅₀ :	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			no data available		
	(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	
	BSB ₅ -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:		obey local and governmental regulations			
	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: Xi		
	contains: calcium hydroxide		
	R-categories:	41	
	S-categories:	22-24-26-39	
	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	<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.		