

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

In Australia, this product is hazardous (criteria of NOHSC) and not a dangerous good (ADG Code)
Poisons Schedule – none (Australia's SUSDP)

VOCO Australia, PO Box 209 Osborne Park WA 6917. Tel: 0448 102 804 / Fax: (08) 9440 1874

1	<u>Names of Material, Preparation and Company</u> trade name: Meron/Meron AC 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 silicate fillers, polyacrylic acid, tartaric acid and initiators description: glass ionomer luting cement with good adhesion to enamel and dentine hazardous ingredients:											
	<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>tartaric acid</td><td>87913-09-5</td><td>25-28 %</td><td>Xi</td><td>36-38</td></tr></tbody></table>	name	CAS-No.	content	danger symbol	R-categories	tartaric acid	87913-09-5	25-28 %	Xi	36-38	
name	CAS-No.	content	danger symbol	R-categories								
tartaric acid	87913-09-5	25-28 %	Xi	36-38								
3	<u>Possible Risks</u> designation of risk: special details of risk (R-categories): detrimental effects/symptoms:	Xi, irritant 36/37/38 irritant in case of eye, skin and inhalation contact										
4	<u>First-Aid-Measures</u> general information: after inhalation: after skin contact: after eye contact: after swallowing: information for the attending physician:	fresh air, in case of indisposition or nausea contact a doctor rinse thoroughly with plenty of water rinse thoroughly with water, contact a doctor contact immediately a physician material for dental or laboratory use only										
5	<u>Fire Fighting Measures</u> suitable fire extinguishing agents: unsuitable fire extinguishing agents: particular hazards: fire fighting protective equipment:	foam, carbon dioxide, powder fire extinguishers water none no data available										
6	<u>Measures in Case of Unintended Release</u> measures related to persons: environmental measures: procedures of cleaning/uptake additional information:	avoid eye and/or skin contact do not let the material get in contact with sewerage systems take up mechanically, use common absorbents none										
7.	<u>Handling and Storage</u>											
7.1	handling: only by qualified staff in dental offices or dental laboratories instructions for safe handling: instructions on fire and explosion protection	see instructions for use no special measurements are required										
7.2	Storage: demands on storerooms and containers indications and prohibitions of storage together with other materials: further details on storage conditions:	tightly closed at room temperature store in good ventilated rooms and areas do not store together with food 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:		powder/liquid	
	form:		solid/liquid	
	colour:		white to yellowish/colourless	
	odour:		nearly odourless	
9.2	safety data:	tested acc. to:		
	pH upon delivery:		no data available	
	pH of 10g/l H₂O 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						
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 (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: obey local and governmental regulations						
recommendation:	waste name		accountability			
waste category						
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: risk no.:	material no.:
	warning label: 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.		