

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

In Australia, this product is hazardous (criteria of NOHSC) and 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: Futurabond 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 different dimethacrylates, silicate fillers, initiators, stabilizers, additives description: light-curing non-etch bond hazardous ingredients: name CAS-No. content danger symbol R-categories ethanol 64-17-5 30 % F 11, 18	
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: 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:	liquid/liquid		
	form:	liquid/liquid		
	colour:	colourless/light yellowish, viscous		
	odour:	acrylate-like (both liquids)		
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:	light exposition, heat		
	materials to be avoided:	radical releasing agents, e. g. peroxides		
	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						

