



NATIONAL POISONS INFORMATION 13 11 26

VOCO

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

1	<u>Names of Material, Preparation and Company</u>	
	trade name:	Solobond Plus
	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 diff. dimethacrylates, acetone, water, initiators, additives	
	description: light-curing dentine and enamel bond	
	hazardous ingredients:	
	name	CAS-No. content danger symbol R-categories
	BIS-GMA	1565-94-2 16-18 % Xi 36-38
	acetone (adhesive)	67-64-1 60 % F 11
3	<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
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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according to: 91/155/EEC
trade name: Solobond Plus

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 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 to yellowish		
	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: light exposition, heat, ignition sources		
	materials to be avoided: peroxides		
	hazardous products of decomposition: HCN, cyanides		
	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:						
observations relevant to classifications:						
other observations:						
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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<p>14 Particulars on Transport</p> <p>14.1 land carriage: ADR/RID/GGVS/GGVE-class: figure/letter: material no.: warning label: risk no.: designation of goods: remarks:</p> <p>14.2 inland transport by ship: ADN/ADNR-class: figure/letter: category: designation of goods: remarks:</p> <p>14.3 see transport: IMDG/GGV sea class: UN-No.: PG: EMS: MFAG: marine pollutant: correct technical name: remarks:</p> <p>14.4 air transport: ICAO/IATA-class: UN/ID-No.: PG: correct technical name: remarks:</p> <p>14.5 further particulars: No hazardous goods within the meaning of transport regulations</p>
<p>15 Regulation</p> <p>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</p> <p>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).</p> <p>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.</p>

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