

***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

<b>1</b>	<b><u>Names of Material, Preparation and Company</u></b> <b>trade name:</b> Rebuilda/D <b>manufacturer/supplier</b> VOCO GmbH <b>address:</b> Anton-Flettner-Str. 1-3 D - 27472 Cuxhaven <b>information sector:</b> Scientific Department <b>emergency information:</b> Scientific Department	<b>Tel.:</b> +49-4721/71 9 - 0 <b>Fax:</b> +49-4721/71 9 - 109 <b>Tel.:</b> +49-47 21/71 9 - 0 <b>emergency call:</b> +49-47 21/71 9 - 0															
<b>2</b>	<b><u>Composition/Details on Components</u></b> <b>preparation:</b> Mixture of different dimethacrylates, glass ceramics, barium sulfate, fumed silica, catalyst system <b>description:</b> chemically curing highly radiopaque material with special bonding system <b>hazardous ingredients:</b>																
	<table border="1"><thead><tr><th><b>name</b></th><th><b>CAS-No.</b></th><th><b>content</b></th><th><b>danger symbol</b></th><th><b>R-categories</b></th></tr></thead><tbody><tr><td>BIS-GMA</td><td>1565-94-2</td><td>18-22 %</td><td>Xi</td><td>36-38</td></tr><tr><td>UDMA</td><td>41137-60-4</td><td>6-8 %</td><td>Xi</td><td>36-38</td></tr></tbody></table>	<b>name</b>	<b>CAS-No.</b>	<b>content</b>	<b>danger symbol</b>	<b>R-categories</b>	BIS-GMA	1565-94-2	18-22 %	Xi	36-38	UDMA	41137-60-4	6-8 %	Xi	36-38	
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BIS-GMA	1565-94-2	18-22 %	Xi	36-38													
UDMA	41137-60-4	6-8 %	Xi	36-38													
<b>3</b>	<b><u>Possible Risks</u></b> <b>designation of risk:</b> <b>special details of risk (R-categories):</b> <b>detrimental effects/symptoms:</b>	Xi, irritant 36-38 Irritant in case of eye, skin and inhalation contact															
<b>4</b>	<b><u>First-Aid-Measures</u></b> <b>general information:</b> <b>after inhalation:</b> <b>after skin contact:</b> <b>after eye contact:</b> <b>after swallowing:</b> <b>information for the attending physician:</b>	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															
<b>5</b>	<b><u>Fire Fighting Measures</u></b> <b>suitable fire extinguishing agents:</b> <b>unsuitable fire extinguishing agents:</b> <b>particular hazards:</b> <b>fire fighting protective equipment:</b>	foam, carbon dioxide, powder fire extinguishers water none no data available															
<b>6</b>	<b><u>Measures in Case of Unintended Release</u></b> <b>measures related to persons:</b> <b>environmental measures:</b> <b>procedures of cleaning/uptake</b> <b>additional information:</b>	avoid eye and/or skin contact do not let the material get in contact with sewerage systems take up mechanically, use common absorbents none															
<b>7.</b>	<b><u>Handling and Storage</u></b>																
<b>7.1</b>	<b>handling:</b> only by qualified staff in dental offices or dental laboratories <b>instructions for safe handling:</b> <b>instructions on fire and explosion protection</b>	see instructions for use no special measurements are required															
<b>7.2</b>	<b>Storage:</b> <b>demands on storerooms and containers</b>  <b>indications and prohibitions of storage together with other materials:</b> <b>further details on storage conditions:</b>	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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<b>8</b>	<b><u>Exposition Restriction and Personal Protective Equipment</u></b>			
<b>8.1</b>	additional information on the equipment of technical facilities: none			
<b>8.2</b>	components with limiting values related to place of work:			
	<b>CAS-No.</b>	<b>name</b>	<b>kind</b>	<b>value</b> <b>unit</b>
	additional information: hazards related to place of work are not known.			
<b>8.3</b>	<b>personal protective equipment:</b>		dental office or laboratory working clothes	
	<b>breathing protection</b>		do not breath or inhale vapour or dust	
	<b>hand protection:</b>		use of protective gloves is recommended	
	<b>eye protection:</b>		use of protective glasses is recommended	
	<b>body protection:</b>			
	<b>protective and hygiene measures:</b>		washing hands	
<b>9</b>	<b><u>Physical and Chemical Properties</u></b>			
<b>9.1</b>	<b>appearance:</b>		liquid (catalyst)/paste (base)	
	<b>form:</b>		liquid, pasty	
	<b>colour:</b>		light blue/white	
	<b>odour:</b>		specific	
<b>9.2</b>	<b>safety data:</b>	<b>tested acc. to:</b>		
	<b>pH upon delivery:</b>		no data available	
	<b>pH of 10g/l H<sub>2</sub>O and 20°C:</b>		no data available	
	<b>change of state:</b>		no data available	
	<b>boiling point/area:</b>		no data available	°C
	<b>melting point/area:</b>		no data available	°C
	<b>flash point:</b>		no data available	°C
	<b>inflammability:</b>		no data available	
	<b>ignition temperature:</b>		no data available	°C
	<b>autoignition:</b>		no data available	
	<b>fire advancing properties:</b>		no data available	
	<b>explosion hazards:</b>		no data available	
	<b>explosion limits: LEL:</b>		<b>UEL:</b> no data available	
	<b>vapour pressure (°C)</b>		no data available	
	<b>density (°C)</b>		no data available	hPa
	<b>bulk density:</b>		no data available	
	<b>solubility in water (20°C) (°C):</b>		no data available	mg/l
	<b>in (°C)</b>		no data available	mg/l
	<b>solubility in fat:</b>		no data available	
	<b>distribution coefficient n-octanol/water:</b>		no data available	
	<b>viscosity (°C):</b>		no data available	
	<b>solvent separation test:</b>		no data available	%
	<b>solvent content:</b>		no data available	%
<b>9.3</b>	<b>further particulars:</b>		none	
<b>10</b>	<b><u>Stability and Reactivity</u></b>			
	<b>conditions to be avoided:</b>		heat	
	<b>materials to be avoided:</b>		radical initiators, e. g. peroxides	
	<b>hazardous products of decomposition:</b>		HCN, cyanides	
	<b>further particulars:</b>		none	

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<b>11. Toxicological Data</b>						
11.1 toxicological Test: no data available						
acute toxicity: no data available						
LD <sub>50</sub> /LC <sub>50</sub> :	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.						
<b>12 Ecological Data</b>						
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 <sub>5</sub> -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						
<b>13 Disposal Instructions</b>						
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						

