

**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> trade name: <b>Ionofil Molar/AC</b> manufacturer/supplier: <b>VOCO GmbH</b> address: <b>Anton-Flettner-Str. 1-3 D - 27472 Cuxhaven</b> <b>Tel.:</b> +49-4721/71 9 - 0 <b>Fax:</b> +49-4721/71 9 - 109										
<b>2</b>	<b><u>Composition/Details on Components</u></b> preparation: mixture of silicate glass fillers, polyacrylic acid, tartaric acid and initiators description: Condensable, radiopaque glass ionomer cement for filling and core build up hazardous ingredients: <table><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>Polyacrylsäure</td><td>87913-09-5</td><td>24-27 %</td><td>Xi</td><td>36-38</td></tr></tbody></table>	name	CAS-No.	content	danger symbol	R-categories	Polyacrylsäure	87913-09-5	24-27 %	Xi	36-38
name	CAS-No.	content	danger symbol	R-categories							
Polyacrylsäure	87913-09-5	24-27 %	Xi	36-38							
<b>3</b>	<b><u>Possible Risks</u></b> designation of risk: <b>Xi, irritant</b> special details of risk (R-categories): <b>36/37/38</b> detrimental effects/symptoms: <b>irritant in case of eye, skin and inhalation contact</b>										
<b>4</b>	<b><u>First-Aid-Measures</u></b> general information: after inhalation: <b>fresh air, in case of indisposition or nausea contact a doctor</b> after skin contact: <b>rinse thoroughly with plenty of water</b> after eye contact: <b>rinse thoroughly with water, contact a doctor</b> after swallowing: <b>contact immediately a physician</b> information for the attending physician: <b>material for dental or laboratory use only</b>										
<b>5</b>	<b><u>Fire Fighting Measures</u></b> suitable fire extinguishing agents: <b>foam, carbon dioxide, powder fire extinguishers</b> unsuitable fire extinguishing agents: <b>water</b> particular hazards: <b>none</b> fire fighting protective equipment: <b>no data available</b>										
<b>6</b>	<b><u>Measures in Case of Unintended Release</u></b> measures related to persons: <b>avoid eye and/or skin contact</b> environmental measures: <b>do not let the material get in contact with sewerage systems</b> procedures of cleaning/uptake: <b>take up mechanically, use common absorbents</b> additional information: <b>none</b>										
<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> see instructions for use <b>instructions on fire and explosion protection</b> no special measurements are required										
<b>7.2</b>	<b>Storage:</b> tightly closed at room temperature <b>demands on storerooms and containers</b> store in good ventilated rooms and areas <b>indications and prohibitions of storage together with other materials:</b> do not store together with food <b>further details on storage conditions:</b> keep out of the reach of children										



<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:						
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				

**14 Particulars on Transport**

**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 Regulation**

**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 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.