

## Safety Data Sheet

according to 91/155/EEC

<b>1. Product identification/preparation/company undertaking</b>		
<b>Product details</b>		
Trade name:	<b>SILICON ADHESIVE</b>	
Manufacturer/supplier:	S&C Polymer GmbH, D-25335 Elmshorn	
Emergency information:	Dr. Jürgen Engelbrecht ++49 4121 483-0	
<b>2. <u>Composition/Information of Ingredients</u></b>		
Chemical characterization:	Solution of alkyl poly siloxane and red dye in alkyldisiloxane and xylene	
Description:		
Hazardous components:		
<u>CAS-Nr.:</u>	<u>Name</u>	<u>R-classification</u>
[107-46-0]	Alkyldisiloxane >65%	F, R11
[1330-20-7]	Xylene < 5%	Xn, R10-20/21-38
<b>3. <u>Hazards identification</u></b>		
Risk identification:	Highly flammable F, R 11	
Special risks for human beings and environment:	Highly flammable.	
Classification:	Classification corresponds to actual EEC guidelines, however completed with details from technical literature and company data.	
<b>4. <u>First-aid measures</u></b>		
General information:	Seek medical advice, if symptoms occur, which can be caused by the product	
after skin contact:	Wash with plenty of water and soap	
after eye contact:	Rinse with plenty of water with the eye lid held wide open	
after swallowing:	Make victim drink plenty of water and seek medical advice if feeling unwell	
<b>5. <u>Fire fighting measures</u></b>		
Extinguishing media:	CO <sub>2</sub> , water, foam, powder	
Protective equipment:	Do not stay in dangerous zone without self-contained breathing apparatus	

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<b>6. <u>Accidental release measures</u></b>	
<b>Personal precautions:</b>	Do not breathe vapours/aerosols. Use it in well ventilated rooms.
<b>Environmental precautions:</b>	Do not allow to enter sewerage system
<b>Methods for cleaning up:</b>	Wipe out with liquid-absorbent materials. Forward of disposal. Clean up affected area.
<b>Additional information:</b>	
<b>7. <u>Handling and storage</u></b>	
<b>Handling:</b>	The product should only be supplied or handled to dentists or dental technicians or upon their instructions.
<b>Handling procedures:</b>	No procedures, if correctly handled
<b>Recommendation for fire and explosion protection:</b>	Keep away from heat and ignition sources, do not smoke. Take measures to prevent electrostatic charging.
<b>storage:</b>	Tightly closed in a well ventilated place, away from sources of ignition and heat. Store below 25 °C.
<b>Requirements at storerooms and containers:</b>	
<b>Requirements for storage with other products:</b>	
<b>Additional storage conditions:</b>	
<b>Storage classification:</b>	
<b>8. <u>Exposure controls/personal protection</u></b>	
<b>Additional information for technical plants:</b>	Use under exhausting conditions, away from heat and ignition sources.
<b>Components with limits of values to be supervised at the workplace:</b>	
<u>CAS-Nr.</u>	<u>Name</u>
<u>art</u>	<u>value</u>
<u>unit</u>	
<b>Additional information:</b>	
<b>Personal protective equipment:</b>	Protective clothes should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.
<b>General measures of protection and hygiene:</b>	Normal hygienic measures
<b>respiration:</b>	Required when vapours/aerosols are generated. (Filter A (Acc. To DIN 3181) for vapours of organic compounds
<b>hands:</b>	Protective gloves (nitrile rubber)
<b>eyes:</b>	Eye protection recommended

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<b>9. <u>Physical and chemical properties</u></b>			
<b>Appearance</b>			
<b>Form:</b>	Liquid		
<b>Colour:</b>	red		
<b>Odour:</b>	characteristic		
	<u>Value</u>	<u>Unit</u>	<u>Method</u>
<b>Information on change in the physical state</b>			
<b>Melting point/melting range:</b>	n.d.		
<b>Boiling point/boiling range:</b>	> 80	°C	
<b>Flash point:</b>	ca. -9	°C	
<b>Autoignition temperature:</b>	> 200	°C	
<b>Danger of explosion:</b>	Vapours can generate explosible mixtures with air in conjunction with ignition sources		
<b>Density:</b>	0.80 (20 °C) g/cm <sup>3</sup>		
<b>Vapour pressure:</b>	Ca. 20	hPa (20°C)	
<b>Viscosity:</b>	n.d.		
<b>pH:</b>	neutral		
<b>Solubility in/miscibility with:</b>	miscible with most organic solvents; alcohols		
<b>Water:</b>	insoluble		
<b>Content of solvents:</b>			
<b>Organic solvents:</b>			
<b>Water:</b>	none		
<b>Content of solids:</b>	none		
<b>10. <u>Stability and reactivity</u></b>			
	Avoid heat of more than 50 °C		
<b>Incompatibility with other substances:</b>	Avoid strong acids, strong alkalis, strong oxidizing agents		
<b>Hazardous decomposition products:</b>	When used as directed, the product will be stable. Hazardous reactions are not known.		
<b>11. <u>Toxicological information</u></b>			
<b>Acute toxicity:</b>	Small effects of toxicity		
<b>Primary irritation:</b>			
<b>skin:</b>	Contact: X; slight irritations		
<b>eye:</b>	Slight irritations		
<b>inhalation:</b>	Irritations of mucous membranes, coughing, and dysnopea		
<b>ingestion:</b>	Harmful when swallowed		
<b>Sensitization of product:</b>	Not observed		
<b>Additional toxicological information:</b>	During the long period of use as tray adhesive in a dental technician laboratory no health diseases are reported. Adhesive may be irritant to eyes or skin or may cause allergic reactions.		

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<b>12. <u>Ecological information</u></b>	
<b>General information:</b>	Do not rinse it in the groundwater
<b>Classification of water endangerment:</b>	WGK = 1
<b>13. <u>Disposal consideration</u></b>	
<b>Product:</b>	
<b>Recommendation:</b>	Use proper landfill disposal or incineration in accordance with local, state and federal regulations
<b>Disposal key number:</b>	
<b>Uncleaned packaging:</b>	
<b>Recommendation:</b>	
<b>14. <u>Transport information</u></b>	
<b>Land transport ADR/RID (Germany)</b>	UN 1993 ENTZUEENDBARER FLUESSIGER STOFF, N.A.G. (HEXAMETHYLDISILOXAN), 3, II
<b>Sea transport IMDG-Code</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (HEXAMETHYLDISILOXANE), 3, II EmS: F-E S-E
<b>Air transport ICAO-TI/IATA-DGR</b>	UN 1993 FLAMMABLE LIQUID, N.O.S. (HEXAMETHYLDISILOXANE), 3, II  The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.
<b>15. <u>Regulatory information</u></b>	
<b>Classification according to EEC-guidelines:</b>	F Highly flammable R 11 Highly flammable S 9 Store at well ventilated place S 16 Keep away from heat and ignition sources; don't smoke
<b>National Prescriptions:</b>	
<b>16. <u>Other information:</u></b>	
<b>Preparation by:</b>	The above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.  Dr. Jürgen Engelbrecht, Tel.: ++49/4121/483-0