

Safety Data Sheet

according to 91/155/EEC

1. Product identification/preparation/company undertaking		
Product details		
Trade name:	SILICONE ADHESIVE	
Manufacturer/supplier:	S&C Polymer GmbH, D-25335 Elmshorn	
Emergency information:	Dr. Jürgen Engelbrecht ++49 4121 483-0	
2. <u>Composition/Information of Ingredients</u>		
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
3. <u>Hazards identification</u>		
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.	
4. <u>First-aid measures</u>		
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	
5. <u>Fire fighting measures</u>		
Extinguishing media:	CO ₂ , water, foam, powder	
Protective equipment:	Do not stay in dangerous zone without self-contained breathing apparatus	

Safety Data Sheet

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6. Accidental release measures

Personal precautions:	Do not breathe vapours/aerosols. Use it in well ventilated rooms.
Environmental precautions:	Do not allow to enter sewerage system
Methods for cleaning up:	Wipe out with liquid-absorbent materials. Forward of disposal. Clean up affected area.
Additional information:	

7. Handling and storage

Handling:	The product should only be supplied or handled to dentists or dental technicians or upon their instructions.
Handling procedures:	No procedures, if correctly handled
Recommendation for fire and explosion protection:	Keep away from heat and ignition sources, do not smoke. Take measures to prevent electrostatic charging.
storage:	Tightly closed in a well ventilated place, away from sources of ignition and heat. Store below 25 °C.
Requirements at storerooms and containers:	
Requirements for storage with other products:	
Additional storage conditions:	
Storage classification:	

8. Exposure controls/personal protection

Additional information for technical plants:	Use under exhausting conditions, away from heat and ignition sources.			
Components with limits of values to be supervised at the workplace:				
CAS-Nr.	Name	art	value	unit
Additional information:				
Personal protective equipment:	Protective clothes should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.			
General measures of protection and hygiene:	Normal hygienic measures			
respiration:	Required when vapours/aerosols are generated. (Filter A (Acc. To DIN 3181) for vapours of organic compounds			
hands:	Protective gloves (nitrile rubber)			
eyes:	Eye protection recommended			

Safety Data Sheet

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9. <u>Physical and chemical properties</u>			
Appearance			
Form:	Liquid		
Colour:	red		
Odour:	characteristic		
	<u>Value</u>	<u>Unit</u>	<u>Method</u>
Information on change in the physical state			
Melting point/melting range:	n.d.		
Boiling point/boiling range:	> 80	°C	
Flash point:	ca. -9	°C	ISO 13736 (closed cup)
Autoignation temperature:	> 200	°C	
Danger of explosion:	Vapours can generate explosible mixtures with air in conjunction with ignition sources		
Density:	0.80 (20 °C) g/cm ³		
Vapour pressure:	ca. 20	hPa (20°C)	
Viscosity:	n.d.		
pH:	neutral		
Solubility in/miscibility with:	miscible with most organic solvents; alcohols		
Water:	insoluble		
Content of solvents:			
Organic solvents:			
Water:	none		
Content of solids:	none		
10. <u>Stability and reactivity</u>			
	Avoid heat of more than 50 °C		
Incompatibility with other substances:	Avoid strong acids, strong alkalis, strong oxidizing agents		
Hazardous decomposition products:	When used as directed, the product will be stable. Hazardous reactions are not known.		
11. <u>Toxicological information</u>			
Acute toxicity:	Small effects of toxicity		
Primary irritation:			
skin:	Contact: X; slight irritations		
eye:	Slight irritations		
inhalation:	Irritations of mucous membranes, coughing, and dysnopea		
ingestion:	Harmful when swallowed		
Sensitization of product:	Not observed		
Additional toxikological information:	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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12. <u>Ecological information</u>	
General information:	Do not rinse it in the groundwater
Classification of water endangerment:	WGK = 1
13. <u>Disposal consideration</u>	
Product:	
Recommendation:	Use proper landfill disposal or incineration in accordance with local, state and federal regulations
Disposal key number:	
Uncleaned packaging:	
Recommendation:	
14. <u>Transport information</u>	
Land transport ADR/RID (Germany)	UN 1993 ENTZUENDBARER FLUESSIGER STOFF, N.A.G. (HEXAMETHYLDISILOXAN), 3, II
Sea transport IMDG-Code	UN 1993 FLAMMABLE LIQUID, N.O.S. (HEXAMETHYLDISILOXANE), 3, II EmS: F-E S-E
Air transport ICAO-TI/IATA-DGR	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.
15. <u>Regulatory information</u>	
Classification according to EEC-guidelines:	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
National Prescriptions:	
16. <u>Other information:</u>	
Preparation by:	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