

Safety Data Sheet

according to 91/155/EEC

1. <u>Product identification/preparation/company undertaking</u>		
Product details		
Trade name:	SILICONE ADHESIVE	
Manufacturer/supplier:	SciCan Ltd., 1440 Don Mills, Toronto, Ontario	
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:	None.	
CAS-Nr.:	Name	% R-classification
[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 selfcontained breathing apparatus	

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6. Accidental release measures

Personal precautions:	Do not breathe vapors/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 for storerooms and containers:	
Requirements for storage with other products:	
Additional storage conditions:	
Storage classification:	
VBF-Classifications:	

8. Exposure controls / personal protection

Additional information for technical plants:	Use under exhausting conditions, away from heat and ignition sources.
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Components with limits of values to be supervised at the workplace:

CAS-Nr.	Name	%	Art	Value	Unit
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The product contains no relevant quantities of components with limits of values to be supervised at the workplace.

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

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9. Physical and chemical properties

Appearance:

Form: Liquid.
Color: Red.
Odor: Characteristic.

Information on change in the physical state:

<u>Value</u>	<u>Unit</u>	<u>Method</u>
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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 .
Vapor pressure:	ca. 20 hPa (20°C)
Viscosity:	N/D
pH:	Neutral.
Solubility in / miscibility with:	Miscible with most organic solvents; alcohols
Contents of solvents:	Insoluble.
Organic solvents:	
Water:	None.
Contents of solids:	None.

10. Stability and reactivity

Incompatibility with other substances: Avoid heat of more than 50°C.
 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. Toxicological information

Acute toxicity: Small effects of toxicity.

Primary irritation:

Skin: Contact: X; slight irritations.

Eye: Slight irritations.

Inhalation: Irritations of mucous membranes, coughing, and dyspnoea.

Ingestion: Harmful when swallowed.

Sensitization of product: Not observed.

Additional toxicological 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 R11 Highly flammable S9 Store at well ventilated place S16 Keep away from heat and ignition sources; don't smoke
National Prescriptions:	
Classification according to VbF:	N/A
16. <u>Other information:</u>	
	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.
Preparation by:	Dr. Jürgen Engelbrecht, Tel.: ++49/4121/483-0