



according to (EC) No 1907/2006
Date of issue: 23-Oct-15

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Hinrisil KL - component A

1. Identification of the Substance / Preparation and Company:

Identification of the substance or preparation:

Commercial product name: Hinrisil KL – component A
Duplicating silicone
Company / Manufacturer: ERNST HINRICHS Dental GmbH
Borsigstr. 1
D - 38644 Goslar
0 53 21 / 5 06 24
0 53 21 / 5 08 81
info@hinrichs-dental.de / www.hinrichs-dental.de

2. Hazards Identification:

2.1. Classification of the substance or mixture: This product has been classified according to the current legislation as non-hazardous.
Hazard summary: No specific recommendations.
Physical Hazards:
Health Hazards: No specific symptoms noted.
Inhalation:
Eye contact: No specific symptoms noted.
Skin Contact: No specific symptoms noted.
Ingestion: No specific symptoms noted.
Other Health Effects: No other information noted.
Environmental hazards: Not regarded as dangerous for the environment.
2.2 Label Elements: Labelling for this product is not required according to EC Directives or to relevant national legislation.
2.3 Other hazards: No data available.

3. Composition / Information on Ingredients:

3.1 Mixtures
General information: Mixture of organosilicon compound, additives. No hazardous ingredients.

4. First aid measures:

General: Get medical attention if symptoms occur. Contaminated clothing to be placed in closed container until disposal or decontamination.
4.1 Description of first aid measures:
Inhalation: Not relevant.
Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.
Skin Contact: Remove contaminated clothing and shoes. Wash with soap and water.
Ingestion: Do not induce vomiting. Rinse mouth thoroughly.
Most important symptoms and effects, both acute and delayed: None known.
Indication of any immediate medical attention and special treatment needed: No specific recommendations.
Hazards:
Treatment: No specific recommendations.

5. Fire Fighting measures:

5.1 Extinguishing media
Suitable extinguishing media: Extinguish with foam, carbon dioxide or dry powder. Water spray.
Unsuitable extinguishing media: None known.



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5.2	Special hazards arising from the substance or mixture:	Combustible. For further information, refer to Section 10: "Stability and Reactivity".
5.3	Advice for firefighters: Special firefighting procedures: Special protective equipment for fire-fighters:	Water spray should be used to cool containers. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6. Accidental release measures:		
6.1	Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.
6.2	Environmental Precautions:	Collect spillage. Do not discharge into drains, water courses or onto the ground.
6.3	Methods and material for containment and cleaning up:	Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water. Incinerate in suitable combustion chamber.
	Notification Procedures:	Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the MSDS.
7. Handling and Storage:		
7.1	Precautions for safe handling	No specific precautions.
7.2	Conditions for safe storage, including any incompatibilities:	No special storage precautions noted. Material is stable under normal conditions. Avoid contact with oxidizing agents. Suitable containers: polyethylene. Plastic lined steel drum.
7.3	Specific end use(s):	No specific recommendations.
8. Exposure controls / Personal protection:		
8.1	Control Parameters: Occupational Exposure Limits:	Exposure limits do not apply to the for any of the components
8.2	Exposure controls: Appropriate engineering controls: Individual protection measures, such as personal protective equipment: General information: Eye/face protection: Skin protection: Hand Protection: Other:	No specific precautions.
	Respiratory Protection:	No specific precautions.
	Hygiene measures:	Provide eyewash station and safety shower.
	Environmental Controls:	No data available.
9. Physical and chemical properties:		
9.1	Information on basic physical and chemical properties Physical state: Colour: Odour: Odour threshold: pH-Value: Setting point: Boiling Point:	fluid white odourless No data available. Not applicable. Not applicable. Not applicable.



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Flash Point:	> 200 °C (Closed cup according to method ASTM D-56.)
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)-:	
Flammability Limit - Lower (%)-:	
Vapour pressure:	< 0,1 hPa (20 °C)
Vapour density (air=1):	No data available.
Relative density:	1,05 (20°C) approx.
Solubility(ies):	
Solubility in Water:	Practically Insoluble
Solubility (other):	Diethylether: Miscible (in all proportions). Chlorinated solvents: Miscible (in all proportions). Aromatic hydrocarbons: Miscible (in all proportions). Aliphatic hydrocarbons: Miscible (in all proportions). Acetone: Very slightly soluble. Ethanol: Very slightly soluble.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	> 400 °C
Decomposition Temperature:	> 200 °C
Viscosity:	4 800 mm ² /s (20°C)
Explosive properties:	No data available.
Oxidizing properties:	According to the data on the components Not considered as oxidising. (evaluation by structure-activity relationship)

10. Stability and Reactivity:

10.1	Reactivity:	Not relevant.
	Chemical Stability:	Stable
	Possibility of Hazardous Reactions:	No data available.
	Conditions to Avoid:	No other information noted.
	Incompatible Materials:	Strong oxidizing agents.
	Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Amorphous silica.

11. Toxicological Information:

	Information on likely routes of exposure	Product is not toxic. No risk phrases.
	Inhalation:	No effects expected (assessment based on ingredients).
	Ingestion:	
	Skin Contact:	
	Eye contact:	
11.1	Information on toxicological effects:	
	Acute Toxicity:	
	Oral:	No effects expected (assessment based on ingredients).
	Product:	Not classified for acute toxicity based on available data
	Dermal:	No effects expected (assessment based on ingredients).
	Product:	Not classified for acute toxicity based on available data
	Inhalation:	
	Product:	No effects expected (assessment based on ingredients).
	Repeated Dose Toxicity:	
	Product:	No effects expected (assessment based on ingredients).
	Skin Corrosion/Irritation:	
	Product:	No effects expected (assessment based on ingredients).
	Serious Eye Damage/Eye Irritation:	
	Product:	No effects expected (assessment based on ingredients).



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Respiratory or Skin Sensitization:	
Product:	No effects expected (assessment based on ingredients).
Germ Cell Mutagenicity:	
In vitro:	
Product:	No effects expected (assessment based on ingredients).
In vivo:	
Product:	No effects expected (assessment based on ingredients).
Carcinogenicity:	No effects expected (assessment based on ingredients).
Product:	No data available.
Reproductive Toxicity:	
Product:	No effects expected (assessment based on ingredients).
Reproductive Toxicity (Fertility):	
Product:	No data available.
Developmental Toxicity (Teratogenicity):	
Product:	No data available.
Specific Target Organ Toxicity - Single Exposure:	
Product:	No effects expected (assessment based on ingredients).
Specific Target Organ Toxicity - Repeated Exposure:	
Product:	No effects expected (assessment based on ingredients).
Aspiration Hazard:	
Product:	No effects expected (assessment based on ingredients).
Other Adverse Effects:	None known.

12. Ecological Information:

12.1 Toxicity:	
Acute toxicity:	
Fish:	No effects expected (assessment based on ingredients).
Product:	
Aquatic Invertebrates:	No effects expected (assessment based on ingredients).
Product:	
Chronic Toxicity:	
Fish:	
Product:	No effects expected (assessment based on ingredients).
Aquatic Invertebrates:	
Product:	No effects expected (assessment based on ingredients).
Toxicity to Aquatic Plants:	
Product:	No effects expected (assessment based on ingredients).
12.2 Persistence and Degradability:	
Biodegradation:	
Product:	Not applicable
BOD/COD Ratio:	
Product:	No data available.
Specified substance(s):	No data available.
Quartz (SiO ₂)	No data available.
White mineral oil (petroleum)	No data available.
12.3 Bioaccumulative Potential:	
Product:	No data available.
Specified substance(s):	
Quartz (SiO ₂)	No data available.



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<p>White mineral oil (petroleum)</p> <p>12.4 Mobility in Soil: Known or predicted distribution to environmental compartments: Quartz (SiO₂) White mineral oil (petroleum)</p> <p>12.5 Results of PBT and vPvB assessment:</p> <p>12.6 Other Adverse Effects:</p>	<p>Bioaccumulation is unlikely to be significant because of the low water solubility of this product.</p> <p>No data available.</p> <p>No data available.</p> <p>No data available.</p> <p>None Reported</p> <p>None known.</p>
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13. Disposal Considerations:

<p>13.1 Waste treatment methods General information:</p> <p>Disposal methods:</p>	<p>The user's attention is drawn to the possible existence of local regulations regarding disposal.</p> <p>Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate in suitable combustion chamber.</p> <p>Contaminated packages should be as empty as possible.</p> <p>Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.</p>
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14. Transport Information:

<p>This material is not subject to transport regulations.</p> <p>Other information:</p> <p>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</p>	<p>No dangerous good.</p> <p>Not a hazardous material with respect to transportation regulations.</p> <p>Not applicable.</p>
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15. Regulatory Information:

<p>15. Safety, health and environmental regulations/legislation specific for the substance or mixture National Regulations: Water Hazard Class (WGK):</p> <p>15.2 Chemical safety assessment:</p>	<p>WGK 1: slightly water-endangering.</p> <p>No data available.</p>
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16. Other Information:

Further Information:
The information is based on present level of our knowledge. It does not, however, assure product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

Revision Information:	Not relevant.
Key abbreviations or acronyms used:	No data available.
Key literature references and sources for data:	No data available.
Wording of the R-phrases and H-statements in section 2 and 3:	No data available.
Training information:	No data available.
Inventory Status	
Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EU EINECS List:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory

MATERIAL SAFETY DATA SHEET



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China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory