



According to regulation (EC) n° 1907/2006 Annex II
 Revision date: 16.05.2018 Version: 5.0

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Hinrisil Hydro - component A

1. Identification of the Substance / Preparation and Company:

- 1.1 Product identifier:
 Commercial product name: Hinrisil Hydro – component A
 Duplicating silicone
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:
 Identified uses: Moulding diverse objects.
 Uses advised against: None known.
- 1.3 Details of the supplier of the safety data sheet
 Manufacturer/Supplier: ERNST HINRICHS Dental GmbH
 Street / mailbox: Borsigstr. 1
 Country code. / postal code / city: D - 38644 Goslar
 Phone: 0 53 21 / 5 06 24
 Fax: 0 53 21 / 5 08 81
 E-mail / Website: info@hinrichs-dental.de / www.hinrichs-dental.de
- 1.4 Further information obtainable from: ERNST HINRICHS Dental GmbH
 Emergency telephone number
 ERNST HINRICHS Dental GmbH: +49 (0) 53 21 / 5 06 24 - 25 (Mon-Fri. 8 a.m. – 4 p.m.)

2. Hazards Identification:

- 2.1. Classification of the substance or mixture: The product has been classified according to the legislation in force.
 Classification according to Regulation (EC) No 1272/2008 as amended.
 Health Hazards
 Specific Target Organ Toxicity - Repeated Exposure Category 1 H372: Causes damage to organs through prolonged or repeated exposure.
- 2.2 Label Elements:
 Supplemental label information EUH210: Safety data sheet available on request.
 Hazard summary:
 Physical Hazards: No specific recommendations.
 Health Hazards: Quartz/cristobalite: When encapsulated in a polymer, is not expected to pose a health hazard when processed under normal conditions of use. Although classified according to EC criteria, this product is exempt from labelling according to article 23 and Annex 1 (section 1.3.4.1) of regulation (CE) n°1272/2008.
 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.
- 2.3 Other hazards: No data available.

3. Composition / Information on Ingredients:

- 3.2 Mixtures
 General information: Mixture of Polyorganosiloxanes, fillers, additives.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Cristobalite	20 - <50%	14464-46-1	238-455-4	Exempted in accordance with Annex V.7	No data available.	#



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* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

Classification

Chemical name	Classification	Notes
Cristobalite	STOT RE 1 H372;	No data available.

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

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.
Skin Contact:	Remove contaminated clothing and shoes. Wash with soap and water.
Eye contact:	In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.
Ingestion:	Do not induce vomiting. Rinse mouth thoroughly.
4.2 Most important symptoms and effects, both acute and delayed:	None known.
4.3 Indication of any immediate medical attention and special treatment needed:	
Hazards:	No specific recommendations.
Treatment:	No specific recommendations.

5. Fire Fighting measures:

General Fire Hazards:	No specific recommendations.
5.1 Extinguishing media	
Suitable extinguishing media:	Extinguish with foam, carbon dioxide or dry powder. Water spray.
Unsuitable extinguishing media:	None known.
5.2 Special hazards arising from the substance or mixture:	None known. For further information, refer to Section 10: "Stability and Reactivity".
5.3 Advice for firefighters:	
Special firefighting procedures:	Water spray should be used to cool containers.
Special protective equipment for firefighters:	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:	
For non-emergency personnel:	Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.
For emergency responders:	No data available.
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



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6.4 Reference to other sections: material, use an appropriate solvent (cf.: § 9) Flush area with plenty of water. Incinerate in suitable combustion chamber. Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

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. |
| | Storage Class: | No data available. |
| 7.3 | Specific end use(s): | No specific recommendations. |

8. Exposure controls / Personal protection:

- | | | |
|-----|--|---|
| 8.1 | Control Parameters:
Occupational Exposure Limits: | Quartz/cristobalite: When encapsulated in a polymer, is not expected to pose a health hazard when processed under normal conditions of use. |
| 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:

Respiratory Protection:
Hygiene measures:
Environmental Controls: | No specific precautions.

No specific precautions.
Safety Glasses
Material: Nitrile.
Material: Polyvinyl chloride (PVC).
Material: Rubber or plastic.
No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.
No specific precautions.
Provide eyewash station and safety shower.
No data available. |

9. Physical and chemical properties:

- | | | |
|-----|---|--|
| 9.1 | Information on basic physical and chemical properties | |
| | Physical state: | Liquid |
| | Form: | Viscous |
| | Colour: | White |
| | Odour: | Odourless |
| | Odour threshold: | No data available. |
| | pH-Value: | Not applicable. |
| | Freezing point: | No data available. |
| | Boiling Point: | No data available. |
| | 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: | Approximate 1,2 kg/dm ³ (20 °C) |
| | Solubility(ies): | |
| | Solubility in Water: | Practically Insoluble |



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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:	5 000 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)
9.2 Other information:	No data available.

10. Stability and Reactivity:

10.1 Reactivity:	Not relevant.
10.2 Chemical Stability:	Stable
10.3 Possibility of Hazardous Reactions:	No data available.
10.4 Conditions to Avoid:	No other information noted.
10.5 Incompatible Materials:	Strong oxidizing agents.
10.6 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	
Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
11.1 Information on toxicological effects:	
Acute Toxicity:	
Oral:	Not classified for acute toxicity based on available data.
Product:	
Dermal:	Not classified for acute toxicity based on available data.
Product:	
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).
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:	
Product:	No effects expected (assessment based on ingredients).
Reproductive Toxicity:	



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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).

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.
12.3 Bioaccumulative Potential:	
Product:	No data available.
12.4 Mobility in Soil:	No data available.
12.5 Results of PBT and vPvB assessment:	None Reported
12.6 Other Adverse Effects:	None known.

13. Disposal Considerations:

13.1 Waste treatment methods	
General information:	The user's attention is drawn to the possible existence of local regulations regarding disposal.
Disposal methods:	
Disposal instructions:	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. Contaminated packages should be as empty as possible. 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.
Contaminated Packaging:	



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14. Transport Information:

This material is not subject to transport regulations.

Other information: No special precautions.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15. Regulatory Information:

15. Safety, health and environmental regulations/legislation specific for the substance or mixture

National Regulations:

Water Hazard Class (WGK): WGK 1: slightly water-endangering.

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

Inventory Status

Australia AICS: On or in compliance with the inventory

Canada DSL Inventory List: On or in compliance with the inventory

EINECS, ELINCS or NLP : On or in compliance with the inventory

Japan (ENCS) List: Not in compliance with the inventory.

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

Taiwan Chemical Substance Inventory: Not in compliance with the inventory.

16. Other Information:

Revision Information: Not relevant.

References

PBT: PBT: persistent, bioaccumulative and toxic substance.

vPvB: vPvB: very persistent and very bioaccumulative substance.

Key abbreviations or acronyms used: No data available.

Key literature references and sources for data: No data available.

Wording of H-statements in section 2 and 3: H372 Causes damage to organs through prolonged or repeated exposure.

Training information: No data available.

Disclaimer:

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