



According to regulation (EC) n° 1907/2006 Annex II
 Revision Date: 16.05.2018 Version: 4.0

Page 1 of 6
 Date of printing: 03.09.2018

Hinrisil Hydro - component B - coloured

1. Identification of the Substance / Preparation and Company:

- 1.1 Product identifier:
 Commercial product name: Hinrisil Hydro – component B - coloured
 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: No specific recommendations.
 Physical Hazards:
 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: Chemical compounds containing silicon - hydrogen bonds (SiH).

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.	#

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



According to regulation (EC) n° 1907/2006 Annex II
 Revision Date: 16.05.2018 Version: 4.0

Page 2 of 6
 Date of printing: 03.09.2018

Hinrisil Hydro - component B - coloured

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: Foam. Powder. Carbon dioxide (CO2).
 Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire. Alkaline powders.

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. Use standard firefighting procedures and consider the hazards of other involved materials.

6. Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Wear appropriate personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Keep away from Alkalis and caustic products. Eliminate all sources of ignition.

For emergency responders: No data available.

6.2 Environmental Precautions: Collect spillage. Prevent entry into waterways, sewer, basements or confined areas.

6.3 Methods and material for containment and cleaning up: Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Suitable containers: equipped with a degassing device. Absorb with sand or other



According to regulation (EC) n° 1907/2006 Annex II
 Revision Date: 16.05.2018 Version: 4.0

Page 3 of 6
 Date of printing: 03.09.2018

Hinrisil Hydro - component B - coloured

inert absorbent. Do NOT use products which are basic. To clean the floor and all objects contaminated by this material, use an appropriate solvent (cf.: § 9). Flush area with plenty of water.

6.4 Reference to other sections: 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 | Use mechanical ventilation in case of handling which causes formation of vapours. Do not mix with Incompatible materials. For further information, refer to section 10: "Stability and Reactivity". Read and follow manufacturer's recommendations. |
| 7.2 | Conditions for safe storage, including any incompatibilities: | Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Store in tightly closed original container equipped with a degassing device. Suitable containers: polyethylene. Steel drums coated with epoxy-resin. |
| | Storage Class: | No data available. |
| 7.3 | Specific end use(s): | No data available. |

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: | Avoid inhalation of vapours and spray mists.

No specific precautions.
Safety Glasses.
Material: Nitrile.
Material: Polyvinyl chloride (PVC).
Material: Rubber or plastic.
It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing.
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: | Green |
| | Odour: | Odourless |
| | Odour threshold: | No data available. |
| | pH-Value: | Not applicable. |
| | Setting 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) |



According to regulation (EC) n° 1907/2006 Annex II
Revision Date: 16.05.2018 Version: 4.0

Page 4 of 6
Date of printing: 03.09.2018

Hinrisil Hydro - component B - coloured

Vapour density (air=1):	No data available.
Relative density:	Approximate 1,2 kg/dm ³ (20 °C)
Solubility(ies):	Practically Insoluble
Solubility in Water:	Diethylether: Miscible (in all proportions).
Solubility (other):	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:	No other information noted.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of Hazardous Reactions:	This product may generate hydrogen gas.
10.4 Conditions to Avoid:	No other information noted.
10.5 Incompatible Materials:	A fire or explosion hazard arises because highly flammable gas (hydrogen) is released when it is in contact with: Strong oxidizing agents. Alkalis and caustic products. Chemical compounds with mobile hydrogen, in the presence of metal salts and complexes.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Amorphous silica. Quantity of hydrogen potentially released (l/kg of product): <3

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:	



According to regulation (EC) n° 1907/2006 Annex II
 Revision Date: 16.05.2018 Version: 4.0

Page 5 of 6
 Date of printing: 03.09.2018

Hinrisil Hydro - component B - coloured

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:	
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:	
Product:	No effects expected (assessment based on ingredients).
Aquatic Invertebrates:	
Product:	No effects expected (assessment based on ingredients).
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



According to regulation (EC) n° 1907/2006 Annex II
 Revision Date: 16.05.2018 Version: 4.0

Page 6 of 6
 Date of printing: 03.09.2018

Hinrisil Hydro - component B - coloured

Contaminated Packaging:

facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Waste of this material should not be mixed with other waste. Contaminated packages should be as empty as possible and equipped with a degassing device. 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.

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:

Not in compliance with the inventory.

Canada DSL Inventory List:

Not in compliance with the inventory.

EINECS, ELINCS or NLP:

On or in compliance with the inventory.

Japan (ENCS) List:

On or in compliance with the inventory.

China Inv. Existing Chemical Substances:

On or in compliance with the inventory.

Korea Existing Chemicals Inv. (KECI):

Not 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.

Canada NDSL Inventory:

Not 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

No data available.

sources for data:

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.