



According to regulation (EC) n° 1907/2006 Annex II
 Revision date: 12.12.2018 Version: 6.0

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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
- 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
 Further information obtainable from: ERNST HINRICHS Dental GmbH
- 1.4 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 - Category 1 H372: Causes damage to organs through prolonged or repeated exposure.
 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: 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. Quartz/cristobalite: When encapsulated in a polymer, is not expected to pose a health hazard when processed under normal conditions of use.
- 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: Meets vPvB criteria.

3. Composition / Information on Ingredients:

3.2 Mixtures

General information:		Mixture of organosiloxanes, additives.				
Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Cristobalite	20 - <50%	14464-46-1	238-455-4	Exempt	No data available.	#
Decamethylcyclopentasiloxane	0,1 - <1%	541-02-6	208-764-9	01-2119511367-43-0003	No data available.	vPvB
Dodecamethylcyclohexasiloxane	0,1 - <1%	540-97-6	208-762-8	01-2119517435-	No data available.	vPvB



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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).

Chemical name	Classification	Notes
Cristobalite	STOT RE 1 H372;	No data available.
Decamethylcyclopentasiloxane	None known.	No data available.
Dodecamethylcyclohexasiloxane	None known.	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:	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.
Unsuitable extinguishing media:	Water spray. 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 fire-fighters:	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 SDS 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



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6.4 Reference to other sections: contaminated by this 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: No specific recommendations.
Individual protection measures, such as personal protective equipment:
General information: No specific precautions.
Eye/face protection: Safety Glasses
Skin protection: Material: Nitrile.
Hand Protection: Material: Polyvinyl chloride (PVC).
Material: Rubber or plastic.
Other: 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.
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: 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 (%)-: No data available.
Flammability Limit - Lower (%)-: No data available.
Vapour pressure: < 0,1 hPa (20 °C)
Vapour density (air=1): No data available.
Density: Approximate 1,2 kg/dm³ (20 °C)



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Solubility(ies):

Solubility in Water:

Solubility (other):

Practically Insoluble

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 mm²/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

No data available.

Reactions:

10.4 Conditions to Avoid:

No other information noted.

10.5 Incompatible Materials:

Strong oxidizing agents.

10.6 Hazardous Decomposition

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Products:

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:

Specified substance(s):

Decamethylcyclopentasiloxane:

LC 50 (Rat): 8,67 mg/l

Repeated Dose Toxicity:

Product:

LC 50 (Rat): 8,67 mg/l

Specified substance(s):

Decamethylcyclopentasiloxane:

NOAEL (Rat, Oral): \geq 1 000 mg/kgNOAEL (Rat, Inhalation - vapour): \geq 2,42 mg/lNOAEL (Rat, Dermal): \geq 1 600 mg/kgNOAEL (Rat, Oral): \geq 1 000 mg/kg Method: OECD 422

NOAEL (Rat, Inhalation - vapour): 0,0182 mg/l Method:

OECD 413

Skin Corrosion/Irritation:

Product:

Composition/information on ingredients

Specified substance(s):



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Decamethylcyclopentasiloxane:	Rabbit: Not irritating
Dodecamethylcyclohexasiloxane:	OECD 404 (Rabbit) : Not irritating
Serious Eye Damage/Eye Irritation:	
Product:	Composition/information on ingredients
Specified substance(s):	
Decamethylcyclopentasiloxane:	Rabbit : Not irritating
Dodecamethylcyclohexasiloxane.	OECD 405 (Rabbit) : Not irritating
Respiratory or Skin Sensitization:	
Product:	Composition/information on ingredients
Specified substance(s):	
Decamethylcyclopentasiloxane:	Not a skin sensitizer.
Dodecamethylcyclohexasiloxane:	OECD 406 (Guinea Pig): Not a skin sensitizer.
Germ Cell Mutagenicity:	
In vitro:	
Product:	Composition/information on ingredients
Specified substance(s):	
Decamethylcyclopentasiloxane:	Chromosomal aberration: No mutagenic components identified.
	Bacteria: No mutagenic components identified.
Dodecamethylcyclohexasiloxane:	Mouse lymphoma cells (OECD 476): negative with and without metabolic activation
	Bacteria (OECD 471): negative with and without metabolic activation
In vivo:	
Product:	No data available.
Specified substance(s):	
Decamethylcyclopentasiloxane:	No effects expected.
Dodecamethylcyclohexasiloxane:	Mammalian erythrocyte micronucleus test (OECD 474): No mutagenic effects.
Carcinogenicity:	
Product:	No data available.
Reproductive Toxicity:	
Product:	Composition/information on ingredients
Specified substance(s):	
Dodecamethylcyclohexasiloxane:	Based on available data, the classification criteria are not met.
Reproductive toxicity (Fertility):	
Product:	Composition/information on ingredients
Specified substance(s):	
Decamethylcyclopentasiloxane:	Fertility study 2 generations. Rat (Inhalation): NOAEL (parent): 3,64 mg/l NOAEL (F1):None. NOAEL (F2): None. Method: OECD 416
Dodecamethylcyclohexasiloxane:	Reproduction/developmental toxicity screening test. Rat (Gavage(Oral)): NOAEL (parent): >= 1 000 mg/kg NOAEL (F1):>= 1 000 mg/kg NOAEL (F2): Method: OECD 422
Developmental toxicity (Teratogenicity):	
Product:	Composition/information on ingredients
Specified substance(s):	
Dodecamethylcyclohexasiloxane:	Rabbit NOAEL (terato): >= 1 000 mg/kg NOAEL (mater): >= 1 000 mg/kg Method: OECD 414 Rat NOAEL (terato): >= 1 000 mg/kg NOAEL (mater): >= 1 000 mg/kg Method: OECD 414
Specific Target Organ Toxicity - Single Exposure:	
Product:	No data available.
Specified substance(s):	



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Dodecamethylcyclhexasiloxane:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Repeated Exposure:	
Product:	No data available.
Specified substance(s):	
Dodecamethylcyclhexasiloxane:	Based on available data, the classification criteria are not met.
Aspiration Hazard:	
Product:	No data available.

12. Ecological Information:

12.1 Toxicity:	
Acute toxicity:	
Fish:	
Product:	No data available.
Aquatic Invertebrates:	
Product:	No data available.
Chronic Toxicity:	
Fish:	
Product:	No data available.
Specified substance(s):	
Decamethylcyclpentasiloxane:	NOEC (Oncorhynchus mykiss, 90 d): $\geq 0,014$ mg/l
Aquatic Invertebrates:	
Product:	Composition/information on ingredients
Specified substance(s):	
Dodecamethylcyclhexasiloxane:	NOEC (Water flea (Daphnia magna), 21 d): $\geq 0,0046$ mg/l
Toxicity to Aquatic Plants:	
Product:	Composition/information on ingredients
Specified substance(s):	
Dodecamethylcyclhexasiloxane:	NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): $\geq 0,002$ mg/l EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): $> 0,002$ mg/l
12.2 Persistence and Degradability:	
Biodegradation:	
Product:	Composition/information on ingredients
Specified substance(s):	
Decamethylcyclpentasiloxane:	0,14 % (28 d) The product is not readily biodegradable.
Dodecamethylcyclhexasiloxane:	4,5 % (28 d, OECD 310) The product is not readily biodegradable.
BOD/COD Ratio:	
Product:	No data available.
12.3 Bioaccumulative Potential:	
Product:	
Specified substance(s):	
Decamethylcyclpentasiloxane:	Fathead Minnow, Bioconcentration Factor (BCF): 7 060
Dodecamethylcyclhexasiloxane:	Fathead Minnow, Bioconcentration Factor (BCF): 2 860 (OECD 305) Has the potential to bioaccumulate.
12.4 Mobility in Soil:	No data available.
12.5 Results of PBT and vPvB assessment:	Composition/information on ingredients
Decamethylcyclpentasiloxane	Meets vPvB criteria REACH (1907/2006) Ax XIII
Dodecamethylcyclhexasiloxane	Meets vPvB criteria REACH (1907/2006) Ax XIII
12.6 Other Adverse Effects:	None known.



Hinrisil Hydro - component A

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 Packaging:	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.

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.	



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Hinrisil Hydro - component A



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Hinrisil hydro - component B

1. Identification of the Substance / Preparation and Company:

- 1.1 Product identifier:
 Commercial product name: Hinrisil hydro - component B
 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
 Further information obtainable from: ERNST HINRICHS Dental GmbH
- 1.4 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 - Category 1 H372: Causes damage to organs through repeated exposure
 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.
- 2.3 Environmental hazards: Not regarded as dangerous for the environment.
 Other hazards: Chemical compounds containing silicon - hydrogen bonds (SiH).

3. Composition / Information on Ingredients:

3.2 Mixtures
 General information: Mixture of organosiloxanes, 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



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volume.
 # This substance has workplace exposure limit(s).

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:	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 (CO ₂).
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 fire-fighters:	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. 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



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6.4 Reference to other sections: solvent. (cf. : § 9) Flush area with plenty of water. 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 vapors. 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. Suitable containers: polyethylene. Steel drums coated with epoxy-resin.

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: Avoid inhalation of vapours and spray mists.
 Individual protection measures, such as personal protective equipment:
 General information: No specific precautions.
 Eye/face protection: Safety Glasses
 Skin protection: Material: Nitrile.
 Hand Protection: Material: Polyvinyl chloride (PVC).
 Material: Rubber or plastic.
 Other: It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing.
 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: Liquid
 Form: Viscous
 Colour: Green
 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 (%)-: No data available.
 Flammability Limit - Lower (%)-: No data available.
 Vapour pressure: < 0,1 hPa (20 °C)
 Vapour density (air=1): No data available.



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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:	
Product:	Not classified for acute toxicity based on available data.
Dermal:	
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).
Respiratory or Skin Sensitization:	



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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
Specified substance(s):	
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



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Hinrisil hydro - component B

Contaminated Packaging:

disposal. Waste of this material should not be mixed with other waste.
 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.

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.