

EU – Safety data sheet



according to Regulation (EC) No 1907/2006

Revision date: 13.09.2018

Revision No: 1,01 - Replaces version: 1

HinriDon powder

1. Identification of the Substance / Preparation and Company:

- 1.1 Product identifier
Commercial product name: HinriDon powder
Product group: Powder component
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture: Creation of dental products.
- 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:
Regulation (EC) No. 1272/2008: This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.
- 2.2 Label elements
- 2.3 Other hazards
Contains: Methyl methacrylate Organic peroxides. May produce an allergic reaction.

3. Composition / Information on Ingredients:

3.2 Mixtures

Hazardous components

CAS No	Chemical name	Quantity
	EC No Index No REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
	Acrylic polymer	95 - <= 100 %

Full text of R-, H- and EUH-phrases: see section 16.

4. First aid measures:

- 4.1 Description of first aid measures:
General information: Remove contaminated, saturated clothing immediately. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.
- After inhalation: Provide fresh air.
- After contact with skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse.
- After contact with eyes: Rinse immediately carefully and thoroughly with eye-bath or water.
- After ingestion: Rinse mouth immediately and drink plenty of water.
- 4.2 Most important symptoms and effects, both acute and delayed: No information available.
- 4.3 Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5. Fire Fighting measures:

- 5.1 Extinguishing media:

EU – Safety data sheet



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Revision date: 13.09.2018

Revision No: 1,01 - Replaces version: 1

Page 2 of 5

Printing date: 12.02.2019

HinriDon powder

	Suitable extinguishing media:	Co-ordinate fire-fighting measures to the fire surroundings.
	Unsuitable extinguishing media:	Full water jet.
5.2	Special hazards arising from the substance or mixture:	Non-flammable.
5.3	Advice for firefighters:	In case of fire: Wear self-contained breathing apparatus.
	Additional information:	Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures:

6.1	Personal precautions, protective equipment and emergency procedures	Avoid dust formation. Do not breathe dust.
6.2	Environmental precautions	Do not allow to enter into surface water or drains.
6.3	Methods and material for containment and cleaning up	Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.
6.4	Reference to other sections	Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

7. Handling and Storage:

7.1	Precautions for safe handling:	
	Advice on safe handling:	No special measures are necessary.
	Advice on protection against fire and explosion:	No special fire protection measures are necessary.
	Further information on handling:	No information available.
7.2	Conditions for safe storage, including any incompatibilities	
	Requirements for storage rooms and vessels:	Keep container tightly closed.
	Advice on storage compatibility:	No special measures are necessary.
	Further information on storage conditions:	No information available.
7.3	Specific end use(s):	Dental prosthesis.

8. Exposure controls / Personal protection:

8.1	Control parameters:	
8.2	Exposure controls:	
	Protective and hygiene measures:	Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.
	Eye/face protection:	Wear eye/face protection.
	Hand protection:	When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
	Skin protection:	Wear suitable protective clothing.
	Respiratory protection:	In case of inadequate ventilation wear respiratory protection.

9. Physical and chemical properties:

9.1	Information on basic physical and chemical properties	
	Physical state:	Powder
	Colour:	See packaging
	Odour:	characteristic



according to Regulation (EC) No 1907/2006

Revision date: 13.09.2018

Revision No: 1,01 - Replaces version: 1

Page 3 of 5

Printing date: 12.02.2019

HinriDon powder

pH-Value:	not determined
Changes in the physical state	
Melting point:	ca. 110 °C
Initial boiling point and boiling range:	not determined
Flash point:	> 250 °C
Flammability	
Solid:	not determined
Gas:	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	> 400 °C
Auto-ignition temperature	
Solid:	not determined
Gas:	not applicable
Decomposition temperature:	not determined
Oxidizing properties	not oxidizing
Vapour pressure:	not determined
Density (at 20 °C):	1,16 g/cm ³
Bulk density (at 20 °C):	700 - 750 kg/m ³
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.
Solubility in other solvents:	Soluble in hydrocarbons.
Partition coefficient:	not determined
Vapour density:	not determined
Evaporation rate:	not determined
9.2 Other information	
Solid content:	100%

10. Stability and Reactivity:

10.1 Reactivity:	No hazardous reaction when handled and stored according to provisions.
10.2 Chemical stability:	The product is stable under storage at normal ambient temperatures.
10.3 Possibility of hazardous reactions:	No known hazardous reactions.
10.4 Conditions to avoid:	None.
10.5 Incompatible materials:	No information available.
10.6 Hazardous decomposition products:	Exothermal decomposition with formation of: Methyl methacrylate.

11. Toxicological Information:

11.1 Information on toxicological effects:	
Toxicokinetics, metabolism and distribution:	The product has not been tested.
Acute toxicity:	Based on available data, the classification criteria are not met.
Irritation and corrosivity:	Based on available data, the classification criteria are not met.
Sensitising effects:	Based on available data, the classification criteria are not met.
Carcinogenic/mutagenic/toxic effects for reproduction:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.
Additional information on tests:	This mixture is classified as not hazardous according to 1999/45/EC.



according to Regulation (EC) No 1907/2006

Revision date: 13.09.2018

Revision No: 1,01 - Replaces version: 1

Page 4 of 5

Printing date: 12.02.2019

HinriDon powder

12. Ecological Information:

12.1 Toxicity:	The product is not: Ecotoxic.
12.2 Persistence and degradability:	The product has not been tested.
12.3 Bioaccumulative potential:	The product has not been tested.
12.4 Mobility in soil:	The product has not been tested.
12.5 Results of PBT and vPvB assessment:	The product has not been tested.
12.6 Other adverse effects:	No information available.
Further information:	Avoid release to the environment.

13. Disposal considerations

13.1 Waste treatment methods:	
Advice on disposal:	Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.
Contaminated packaging:	Wash with plenty of water. Completely emptied packages can be recycled.

14. Transport / additional information:

Land transport (ADR/RID):	
14.1 UN number:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.
Inland waterways transport (ADN):	
14.1 UN number:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.
Marine transport (IMDG):	
14.1 UN number:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.
Air transport (ICAO):	
14.1 UN number:	No dangerous good in sense of this transport regulation.
14.2 UN proper shipping name:	No dangerous good in sense of this transport regulation.
14.3 Transport hazard class(es):	No dangerous good in sense of this transport regulation.
14.4 Packing group:	No dangerous good in sense of this transport regulation.
14.5 Environmental hazards:	
ENVIRONMENTALLY HAZARDOUS:	no
14.6 Special precautions for user:	No information available.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	not applicable

15. Regulations:

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:	
EU regulatory information:	
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)
Additional information:	To follow: 850/2004/EC , 79/117/EEC , 689/2008/EC
National regulatory information:	
Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe

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Revision No: 1,01 - Replaces version: 1

Page 5 of 5

Printing date: 12.02.2019

HinriDon powder

15.2 Chemical safety assessment
Water contaminating class (D):

employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
1 - slightly water contaminating
Chemical safety assessments for substances in this mixture were not carried out.

16. Other Information:

16.1 Abbreviations and acronyms

ADR:

Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG:

International Maritime Code for Dangerous Goods

IATA:

International Air Transport Association

GHS:

Globally Harmonized System of Classification and Labelling of Chemicals

EINECS:

European Inventory of Existing Commercial Chemical Substances

ELINCS:

European List of Notified Chemical Substances

CAS:

Chemical Abstracts Service

LC50:

Lethal concentration, 50%

LD50:

Lethal dose, 50%

16.2 Further Information:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.