



MATERIAL SAFETY DATA SHEET

According to (EG) 1907/2006

Date of printing: 21.09.2015

reviewed on: 29.05.2015

Page: 1 / 5

HinriDon powder

1. Identification of the Substance / Preparation and Company:

Identification of the substance or preparation:

Commercial product name:

HinriDon

Use / Purpose

Denture Base Resin, hot-curing acrylic, powder component of the 2-component acrylic system based on methyl methacrylate (powder and liquid), for the purpose of crafting individual dentures.

Company / Manufacturer:

ERNST HINRICHS 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:

No particular hazards known.

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

This mixture is not classified as hazardous according to Directive 1999/45/EC.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

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:

Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
	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

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:

Suitable extinguishing media:

Co-ordinate fire-fighting measures to the fire surroundings.



MATERIAL SAFETY DATA SHEET

According to (EG) 1907/2006

Date of printing: 21.09.2015

reviewed on: 29.05.2015

Page: 2 / 5

HinriDon powder

- 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 generation of dust. 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:

- 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.
- 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.
- 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
- pH-Value: not determined
- Changes in the physical state
- Melting point: ca. 110 °C



MATERIAL SAFETY DATA SHEET

According to (EG) 1907/2006

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Page: 3 / 5

HinriDon powder

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:	insoluble
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	
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.
STOT-single exposure:	Based on available data, the classification criteria are not met.
Severe effects after repeated or prolonged exposure:	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.
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.

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.



MATERIAL SAFETY DATA SHEET

According to (EG) 1907/2006

Date of printing: 21.09.2015

reviewed on: 29.05.2015

Page: 4 / 5

HinriDon powder

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	Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.
	Advice on disposal	
	Contaminated packaging	Wash with plenty of water. Completely emptied packages can be recycled.

14. Transport / additional information:

14.1	Land transport (ADR/RID)	
	UN number:	No dangerous good in sense of this transport regulation.
	UN proper shipping name:	No dangerous good in sense of this transport regulation.
	Transport hazard class(es):	No dangerous good in sense of this transport regulation.
	Packing group:	No dangerous good in sense of this transport regulation.
14.2	Inland waterways transport (ADN)	
	UN number:	No dangerous good in sense of this transport regulation.
	UN proper shipping name:	No dangerous good in sense of this transport regulation.
	Transport hazard class(es):	No dangerous good in sense of this transport regulation.
	Packing group:	No dangerous good in sense of this transport regulation.
14.3	Marine transport (IMDG)	
	UN number:	No dangerous good in sense of this transport regulation.
	UN proper shipping name:	No dangerous good in sense of this transport regulation.
	Transport hazard class(es):	No dangerous good in sense of this transport regulation.
	Packing group:	No dangerous good in sense of this transport regulation.
14.4	Air transport (ICAO)	
	UN number:	No dangerous good in sense of this transport regulation.
	UN proper shipping name:	No dangerous good in sense of this transport regulation.
	Transport hazard class(es):	No dangerous good in sense of this transport regulation.
	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. Regulatory information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
	EU regulatory information	
	Additional information	
	To follow:	850/2004/EC , 79/117/EEC , 689/2008/EC
	National regulatory information	
	Employment restrictions:	Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.
	Water contaminating class (D):	1 - slightly water contaminating
15.2	Chemical safety assessment	Chemical safety assessments for substances in this mixture were not carried out.



MATERIAL SAFETY DATA SHEET

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reviewed on: 29.05.2015

Page: 5 / 5

HinriDon powder

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%

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.