MATERIAL SAFETY DATA SHEET

According to (EG) 1907/2006

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.

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

	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/cm³
	Bulk density (at 20 °C):	700 - 750 kg/m³
	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.

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. Dispose of waste according to applicable legislation.
	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.

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.