



According to 1907/2006/EG  
 Revision date: 10:09:2018  
 Revision No: 1,05 - Replaces version: 1,04

**Hinrisep K**

**1. Identification of the substance / Preparation and Company:**

- 1.1 Product identifier  
 Commercial product name: Hinrisep K
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
 Use of the substance/mixture: Alginate separation agent to insulate parts of plaster casts, for autopolymerisates and for orthodontics.  
 Uses advised against: none
- 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 in accordance with Regulation (EC) No. 1272/2008.
- 2.2 Label elements:  
 Regulation (EC) No. 1272/2008  
 Special labelling of certain mixtures: EUH208 Contains biocide. May produce an allergic reaction. EUH210 Safety data sheet available on request.
- 2.3 Other hazards: none

**3. Composition/information on ingredients**

- 3.2 Mixtures:  
 Chemical characterisation: Aqueous solution of alginates, stabilizer and additives.

**4. First aid measures:**

- 4.1 Description on first aid measures:  
 General information: The product is non-hazardous.  
 After inhalation: Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. not applicable  
 After contact with skin: After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.  
 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.



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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: | Use personal protection equipment.   |
| 6.2 | Environmental precautions:   | Do not allow to enter into surface water or drains.  |
| 6.3 | Methods and material for containment and cleaning up:                | Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. |
| 6.4 | Reference to other sections:   | See Section 7 for information on safe handling.<br>See Section 8 for information on personal protection equipment.<br>See Section 13 for disposal information.                       |

**7. Handling and Storage:**

- |     |  |   |
|-----|--|---|
| 7.1 | Precautions for safe handling:<br>Advice on safe handling:<br>Advice on protection against fire and explosion: | No special measures are necessary.<br>No special fire protection measures are necessary.  |
| 7.2 | Conditions for safe storage, including any incompatibilities:<br>Requirements for storage rooms and vessels:   | Keep container tightly closed.  |
| 7.3 | Advice on storage compatibility:<br>Specific end use(s):   | No special measures are necessary.<br>Alginate separation agent to insulate parts of plaster casts, for autopolymerisates and for orthodontics. |

**8. Exposure controls / Personal protection:**

- |     |  |  |
|-----|--|--|
| 8.1 | Control parameters<br>Additional advice on limit values: | To date, no national critical limit values exist.  |
| 8.2 | Exposure controls:<br>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 protection/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:  | liquid          |
|     | Colour:  | yellowish brown |
|     | Odour:   | inherent smell  |
|     | Test method  |                 |
|     | pH-Value (at 20 °C):                                   | 5               |
|     | Changes in the physical state                          |                 |
|     | Melting point:   | not determined  |
|     | Initial boiling point and boiling range:               | 100 °C          |



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Flash point:	>100 °C
Flammability	
Solid:	not applicable
Gas:	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature	
Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	not determined
Oxidizing properties:	Not oxidising.
Vapour pressure:	17 hPa
(at 20 °C)	
Density (at 20 °C):	1,01 g/cm <sup>3</sup>
Water solubility:	easily soluble
Solubility in other solvents:	not determined
Partition coefficient:	not determined
Flow time:	Data not available.
Vapour density:	not determined
Evaporation rate:	not determined
9.2 Other information	
Solid content:	not determined

**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	not applicable
10.4 Conditions to avoid	none
10.5 Incompatible materials	No information available.
10.6 Hazardous decomposition products	Gases/vapours, toxic.

**11. Toxicological Information:**

11.1 Information on toxicological effects	
Acute toxicity:	Based on available data, the classification criteria are not met.
ATEmix tested	

	Dose	Species	Source
LD50, oral	5000 mg/kg	Rat	

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:	The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

**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.



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|------|-------------------------------------|-----------------------------------|
| 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.   |
| Waste disposal number of waste from residues/unused products<br>200201: | MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; garden and park wastes (including cemetery waste); biodegradable waste |
| Waste disposal number of used product<br>200201:                        | MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; garden and park wastes (including cemetery waste); biodegradable waste |
| Waste disposal number of contaminated packaging<br>150102:              | WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging           |
| Contaminated packaging:   | Wash with plenty of water. Completely emptied packages can be recycled  |

**14. Transport Information:**

- |  |                           |
|--|---------------------------|
| Land transport (ADR/RID)   |                           |
| 14.2 UN proper shipping name:<br>Inland waterways transport (ADN)        | No dangerous good         |
| 14.2 UN proper shipping name:  | No dangerous good         |
| 14.6 Special precautions for user:                                       | No information available. |
| 14.7 Transport in bulk according to Annex II of Marpol 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                         |  |
| 2010/75/EU (VOC):                                 | 0,24 % (2,426 g/l)   |
| 2004/42/EC (VOC):                                 | 0,24 % (2,426 g/l)   |
| Information according to 2012/18/EU (SEVESO III): | Not subject to 2012/18/EU (SEVESO III)   |
| National regulatory information                   |  |
| Water contaminating class (D):                    | 1 - slightly water contaminating   |
| Skin resorption/Sensitization:                    | Causes allergic hypersensitivity reactions.                                      |
| 15.2 Chemical safety assessment:                  | Chemical safety assessments for substances in this mixture were not carried out. |

**16. Other Information:**

Changes  
 This data sheet contains changes from the 1,2,3,4,5,6,7,8,9,11,12,13,15,16.  
 previous version in section(s):



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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%

Relevant H and EUH statements (number  
and full text)

EUH208                      Contains biocide. May produce an allergic reaction.

EUH210                      Safety data sheet available on request.

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.