

According to 1907/2006/EG,

Article 31

Date of issue: 24.12.2008

Printing date: 02.11.2011

Hinrisep W

1. Identification of the substance / Preparation and Company:

Identification of the substance or preparation:

Commercial product name: Hinrisep W - Coating

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. Composition / Information on Ingredients:

2.1 Chemical characterization: Mixture.

Description: Mixture of substances listed below with non-hazardous additions.

2.2 Dangerous components:

CAS: 64-17-5

EINECS: 200-578-6

Ethanol



F; R 11

Danger:  2.6/2

50-100 %

CAS: 56-81-5

EINECS: 200-289-5

Glycerin

10-25 %

Additional information: For the wording of the listed risk phrases refer to section 16.

3. Hazards Identification:

3.1 Hazard description:



F Highly flammable

3.2 Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

3.3 R11 | Highly flammable.

3.4 Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3.5 GHS-label elements:



Danger

2.6/2 – Highly flammable liquid and vapour.

3.6 Prevention:

Keep away from heat / sparks / open flames / hot surfaces. – No smoking.

Keep container tightly closed.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / lighting / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wear protective gloves / protective clothing / eye protection / face protection.

3.7 Response:

IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse with water / shower.

In case of fire: Use for extinction: CO₂, powder or water spray.

Collect spillage.

3.8 Storage:

Store in a well-ventilated place. Keep cool.

3.9 Disposal:

EU – Safety Data Sheet



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Dispose of contents / container in accordance with local / regional / national / international regulations.

4. First aid measures:

- | | | |
|-----|---------------------|---|
| 4.1 | After inhalation: | Supply fresh air; consult doctor in case of complaints. |
| 4.2 | After skin contact: | Generally the product does not irritate the skin. |
| 4.3 | After eye contact: | Rinse open eye for several minutes under running water. |
| 4.4 | After swallowing: | If symptoms persist consult doctor. |

5. Fire Fighting measures:

- | | | |
|-----|--------------------------------|---|
| 5.1 | Suitable extinguishing agents: | CO ₂ , powder or water spray. Fight larger fires with water spray or alcohol resistant foam. |
| 5.2 | Protective equipment: | No special measures required. |

6. Accidental release measures:

- | | | |
|-----|--|---|
| 6.1 | Person-related safety precautions: | Wear protective equipment. Keep unprotected persons away. |
| 6.2 | Measures for environmental protection: | Dilute with plenty of water.
Do not allow to enter sewers / surface or ground water. |
| 6.3 | Measures for cleaning / collecting: | Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, saw dust).
Ensure adequate ventilation. |

7. Handling and Storage:

- | | | |
|-----|---|--|
| 7.1 | Handling: | |
| | Information for safe handling: | Ensure good ventilation / exhaust at the workplace.
Keep containers tightly sealed. |
| | Information about fire- and explosion protection: | Keep ignition sources away – Do not smoke.
Protect against electrostatic charges. |
| 7.2 | Storage: | |
| | Requirements to be met by storerooms and receptacles: | Store in cool location. |
| | Information about storing in one common storage facility: | Not required. |
| | Further information about storage conditions: | Keep container tightly sealed.
Store in cool, dry conditions in well sealed containers. |

8. Exposure controls / Personal protection:

- | | | |
|-----|---|------------------------------|
| | Additional information about design of technical facilities: | No further data; see item 7. |
| 8.1 | Ingredients with limit values that require monitoring at the workplace: | |

64-17-5 Ethanol

WEL	Long-term value: 1920 mg/m ³ , 1000 ppm
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56-81-5 Glycerin

WEL	Long-term value: 10 mg/m ³
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- | | | |
|-----|---|---|
| | Additional information: | The lists valid during the making were used as basis. |
| 8.2 | Personal protective equipment: | Wash hands before breaks and at the end of work. |
| | General protective and hygienic measures: | |
| | Respiratory protection: | Not required. |
| | Protection of hands: | |



Protective gloves.

The glove material has to be impermeable and resistant to the product / the substance / the preparation. Due to missing tests no recommendation to the glove material can be given for the product / the preparation / the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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Material of gloves:

The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Natural rubber, NR.

As protection from splashes gloves made of the following materials are suitable:

Eye protection:



Tightly sealed goggles.

9. Physical and chemical properties:

9.1	General information:	
	Form:	Fluid
	Colour:	According to product specification.
	Odour:	Characteristic
9.2	Change in condition:	
	Melting point / Melting range:	Not determined.
	Boiling point / Boiling range:	78°C
	Flash point:	12°C
	Ignition temperature:	400°C
	Self-igniting:	Product is not self-igniting.
	Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
	Explosion limits:	
	Lower:	0,9 Vol %
	Upper:	15,0 Vol %
	Vapour pressure at 20°C:	59 hPa
	Density at 20°C:	0,878 g/cm ³
	Solubility in / miscibility with water:	Fully miscible.
	Solvent content:	100,0 %
	Organic solvents:	

10. Stability and Reactivity:

10.1	Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
10.2	Dangerous reactions:	No dangerous reactions known.
10.3	Dangerous decomposition products:	No dangerous decomposition products known.

11. Toxicological Information:

11.1	Acute toxicity:	
	Primary irritant effect:	
	On the skin:	No irritant effect.
	On the eye:	No irritant effect.
	Sensitization:	No sensitizing effects known.

12. Ecological Information:

12.1	Information about elimination (persistence and degradability):	Easily biodegradable.
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12.2 General notes:

Water hazard class 1 (German regulation) (Self-assessment):
Slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach
ground water, water course or sewage system.

13. Disposal Considerations:

13.1 Product - Recommendation:	Must not be disposed together with the household garbage. Do not allow product to reach sewage system.
13.2 European waste catalogue:	
07 00 00	WASTES FROM ORGANIC CHEMICAL PROZESSES
07 06 00	Wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics.
07 06 99	Wastes not otherwise specified.
13.3 Uncleaned packaging – Recommendation:	Disposal must be made according to official regulations.
13.4 Recommended cleaning agents:	Water, if necessary together with cleaning agents.

14. Transport Information:

Land transport ADR/RID (cross-border)



ADR/RID class: 3 Flammable liquids.
Danger code (Kemler): 33
UN-Number: 1170
Packaging group: II
Hazard label: 3
UN proper shipping name: 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Maritime transport IMDG:



IMDG Class: 3
UN-Number: 1170
Label: 3
Packaging group: II
EMS-Number: F-E, S-d
Marine pollutant: No.
Proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Air transport ICAO-TI and IATA-DGR:



ICAO/IATA-Class: 3
UN/ID-Number: 1170
Label: 3
Packaging group: II
Proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

UN „Model Regulation“: UN1170, ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

15. Regulatory Information:

15.1 Labelling according to EU guidelines:	The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
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15.2 Code letter and hazard designation of product:



F+ Highly flammable

15.3 R-phrases:

11 | Highly flammable.

15.4 S-phrases:

7	Keep container tightly closed.
16	Keep away from sources of ignition – No smoking.
60	This material and its container must be disposed as hazardous waste.

16. Further Information:

This information is based on our present knowledge. However this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

16.1 Relevant R-phrases:

11 | Highly flammable.

16.2 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).
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
IMDG:	International Maritime Code for Dangerous Goods.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association".
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization".
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals.
LC50:	Lethal concentration, 50 percent.
LD50:	Lethal dose, 50 percent.