



According to 91/155/EW
Date of issue: 29.09.2011

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HinriScan thinner

1. Identification of the substance / Preparation and Company:

Identification of the substance or preparation:

Commercial product name: HinriScan thinner
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:

Chemical characterisation: Mixture of solvents and denaturant substances.

Dangerous components:

Chemical name	CAS-no.	Concentration (%)	R-Phrases
Ethanol	64-17-5	50-99 %	R 11
Isopropanol	67-63-0	0-50 %	R 11, R 36, R 67
Methyl ethyl ketone and other ketones	78-93-3	Approx. 1 %	R 36, R 66, R 67

3. Hazards Identification:

- 3.1 Hazard description: F - Highly flammable.
Xi - Irritating.
- 3.2 Information concerning particular hazards for human and environment: R 11 - Highly flammable.
R 36 - Irritating to eyes.
R 66 - Repeated contact may cause rough and cracked hands.
R 67 - Vapours may cause drowsiness and dizziness.

4. First aid measures:

- 4.1 After inhalation: In case of drowsiness or dizziness after inhalation of the vapours remove patient to fresh air.
- 4.2 After skin contact: Rinse with plenty of water and soap.
- 4.3 After eye contact: Rinse with plenty of running water for at least 10 minutes. After that consult immediately an ophthalmologist.
- 4.4 After ingestion: Drink plenty of water. If symptoms persist seek medical advice immediately and show this material safety data sheet.

5. Fire Fighting measures:

- 5.1 Suitable extinguishing agents: Dry powder, foam, sand.
- 5.2 Unsuitable extinguishing agents: Water.
- 5.3 Special risks: In case of incomplete combustion flue gases can contain toxic properties. In case of fire a self-contained respiratory protective device is required.

6. Accidental release measures:

- 6.1 Person-related safety precautions: Keep away from all ignition sources. Ensure adequate ventilation and wear a protective suit.
- 6.2 Measures for environmental protection: Do not allow to enter sewers or surface water.
- 6.3 Measures for cleaning / collecting: Put on protective suit, pick-up with liquid-binding material (sand, universal binder) and dispose as hazardous waste.

7. Handling and Storage:

- 7.1 Handling: Handle according to the usual hygienic measures when handling with chemicals. Keep away from foodstuff, don not smoke.
- 7.2 Storage: Store by a temperature less than 30°C and tightly closed.
Keep away from foodstuff.



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8. Exposure controls / Personal protection:

- 8.1 Personal protective equipment:
- | | |
|----------------------------|--|
| Inhalation protection: | Normally no special measures required; in case of a release in a large amount (bottle leaked out) ensure adequate ventilation. |
| Hand protection: | Protective gloves made of latex. |
| Eye protection: | Tight-fitting protective goggles. |
| Other protective measures: | Wear protective clothing made of cotton. |

9. Physical and chemical properties:

- 9.1 General information:
- | | |
|---------|--------------------------|
| Form: | fluid |
| Colour: | product specific |
| Odour: | Characteristic (alcohol) |
- 9.2 Change in condition:
- | | |
|---|--------------------|
| Melting point / Melting range: | -114,5°C |
| Boiling point / Boiling range: | 78°C |
| Flash point: | 13°C |
| Danger of explosion: | - |
| Density: | - |
| Solubility in / miscibility with water: | Infinite miscible. |

10. Stability and Reactivity:

- 10.1 Conditions to avoid: Long-term storage at a temperature over 45°C.
- 10.2 Materials and conditions to avoid: Strong oxidising substances.
- 10.3 Hazardous decomposition products: None if stored at room temperature.

11. Toxicological Information:

Toxicity – LD-50 values:

Component	Method	Value	Species
Ethanol	Oral	7060 mg/kg	Rat

12. Ecological Information:

General information: The product is only slightly hazardous to water. The hazard potential by the amount of a single container (20 ml bottle) can be neglected.

13. Disposal Considerations:

Product: The product is to classify as hazardous waste and has to be disposed according to local licensing requirements.

Packaging: Uncleaned packaging has to be disposed in the same way as the product.

14. Transport Information:

Land transport ADR/RID – hazardous material regulation street / train:	
ADR/RID / hazardous material	3
regulation street / train-Class:	
Packing group:	2
Paragraph / Letter:	03B
Hazard identification:	33
UN-no.:	1263
Description:	Varnish with a flashpoint less than 21°C



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Sea transport IMDG / GGVSee:	
IMDG / GGVSee-class:	3
UN-no.:	1263
Packing group:	2
Paragraph / Letter:	03B
Hazard identification:	33
EmS-code:	F-E, S-E
Marine pollutant:	No
Description:	Varnish with a flashpoint less than 21°C
Air transport ICAO-TI and IATA-DGR:	
ICAO-TI / IATA-class:	3
UN- / ID-number:	1263
Packing group:	2
Paragraph / Letter:	03B
Hazard identification:	33
EmS-code:	F-E, S-E
Description:	Varnish with a flashpoint less than 21°C

15. Regulatory Information:

- | | | |
|------|---|---|
| 15.1 | Water hazard class: | Product is slightly water hazardous. |
| 15.2 | Labelling according to EEC-regulation: | |
| 15.3 | Labelling hazardous description: | F - Highly flammable.
Xi - Irritating. |
| 15.4 | R-phrases: | |
| | R 11 | Highly flammable. |
| | R 36 | Irritating to eyes. |
| | R 66 | Repeated contact may cause rough and cracked hands. |
| | R 67 | Vapours may cause drowsiness and dizziness. |
| 15.5 | S-phrases: | |
| | S 2 | Keep out of the reach of children. |
| | S 7 | Keep container tightly closed. |
| | S 16 | Keep away from ignition sources, do not smoke. |
| | S 23 | Do not inhale vapours. |
| 15.6 | The usual precautionary measures are to be adhered to when handling with chemicals. | |

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.