

EU – Safety Data Sheet



According to 1907/2006 (REACH)

Date of issue: 20.05.2011

Page 1 of 3

Printing date: 14.02.2012

Hinriflux paste

1. Identification of the substance / Preparation and Company:

Identification of the substance or preparation:

Commercial product name: Hinriflux paste

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: Solution of fluoride in aliphatic carbon hydride.

Dangerous components: None

CAS-no.	EINECS-no.	Mass percentage	Symbol	Code letter / R-phrases
7681-49-4	-	1 - 3 %	-	Xn, R20 - 63, S26 - 45

3. Hazards Identification:

3.1 Hazard identification: This product is non-hazardous according to Directive 1999/45/EC.

3.2 Information concerning particular hazards for human and environment: Product can cause damage to an unborn child. Possible risk of impaired fertility. Irritating to eyes, respiratory system and skin.
Affected organs:
Central nervous system, kidney, testicles.
Wear adequate protective clothing at work.
In case of an accident or illness consult a doctor immediately.
In case of contact with the eyes rinse out with water and consult a doctor. Water hazard class: 1 - Slightly hazardous.

4. First aid measures:

4.1 After inhalation: Not applicable.
4.2 After skin contact: Wash off immediately with soap and plenty of water.
4.3 After eye contact: Rinse thoroughly with plenty of water keeping eye lid open. In case of persistent discomfort, consult an ophthalmologist.
4.4 After swallowing: Rinse out mouth thoroughly with water, if person in conscious. Consult a doctor immediately.

5. Fire Fighting measures:

5.1 Suitable extinguishing agents: Choose extinguishing agent according to environmental conditions.
5.2 For safety reasons unsuitable extinguishing agents: Do not extinguish with water.
5.3 Special hazards: Not applicable.
5.4 Special protective equipment: Respiratory protection and protective clothing to avoid skin and eye contact.

6. Accidental release measures:

6.1 Personal safety precautions: Protective gloves.
Pick-up with a glass container and dispose.
6.2 Environmental precautions: Water hazard class 1 - Slightly hazardous.
6.3 Methods for cleaning up: No special measures required.

EU – Safety Data Sheet



According to 1907/2006 (REACH)

Date of issue: 20.05.2011

Page 2 of 3

Printing date: 14.02.2012

Hinriflux paste

7. Handling and Storage:

- 7.1 Save handling advice: Wear a adequate protective clothing during work.
- 7.2 Storage: Store at room temperature (20°C) in a dry place. Keep away from children to avoid swallowing.
- 7.3 Specific uses: Use according to specifications only.

8. Exposure controls / Personal protection:

- 8.1 Exposure limit values:
Occupational exposure limits: The product does not contain substances with occupational exposure limits.
- 8.2 Exposure control:
Exposure at workplace: Wash hands before break and at the end of work.
Respiratory protection: Do not eat, drink or smoke during processing.
Hand protection: Work only under an exhaust hood.
Eye protection: Protective gloves which are chemical resistant.
Body protection: Wear safety glasses / eye shower.
Avoid contact with eyes, skin and clothing.
Avoid prolonged and repeated exposure.
After use wash off thoroughly.
Wash contaminated clothing before re-use.
- 8.3 Environmental exposure controls: Not required if handled according to specifications.

9. Physical and chemical properties:

- 9.1 Appearance:
Form: -
Colour: -
Odour: -
- 9.2 Important health, safety and environmental information:
pH-value: Not applicable.
Boiling point / boiling range: Not applicable.
Flash point: -
Change in state: 600°C
Melting point / Melting range: 180°C
Combustibility: -
Danger of explosion: Product is not explosive.
Properties: Not applicable.
Relative density at 20°C: Not applicable.
Solubility: In water: insoluble.
In alcohol: insoluble.
Partition coefficient: Not applicable.
Viscosity: Thixotrope paste.
Vapour density: Not applicable.
Vapourisation rate: Not applicable.
- 9.3 Other information: None.

10. Stability and Reactivity:

- 10.1 Conditions to avoid: No data known.
- 10.2 Materials to avoid: Acids.
- 10.3 Hazardous decomposition products: Hydrofluoric acid.

11. Toxicological Information:

- 11.1 After inhalation: Irritation to the mucous membrane and the upper respiratory tract.
- 11.2 After swallowing: Not applicable.
- 11.3 After skin contact: Skin irritation.
- 11.4 After eye contact: Eye irritation.

EU – Safety Data Sheet



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Page 3 of 3

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Hinriflux paste

11.5 Acute effects: Potentially harmful if inhaled, swallowed or absorbed through the skin. Based on our present knowledge the chemical, physical and toxicological properties of this product have not been tested.

12. Ecological Information:

12.1 Ecotoxicity No data known.
12.2 Mobility: No data known.
12.3 Persistence and degradability: No data known.
12.4 Bioaccumulation potential: No data known.
12.5 Other harmful effects: No data known.

13. Disposal Considerations:

13.1 Notice: Dispose according to local and national regulations.
13.2 Waste code number according to the European waste catalogue: -
13.3 Product: This material must be disposed by a licensed disposal company.
13.4 Uncleaned packaging: Contaminated packaging has to be disposed as the product.

14. Transport Information:

14.1 This product is not subject to transport or international regulations.
14.2 Sea transport (IMDG): Not applicable.
14.3 Land transport (ADR/RID): Not applicable.
14.4 Air transport (ICAO / IATA): Not applicable.

15. Regulatory Information:

According to EC-regulations / GefStoffV the product does not have to be labelled.

15.1 EC-regulations:
15.2 Hazard symbol / Hazard statement: Not applicable.
15.3 R-phrases:
R 20/21/22: Harmful if inhaled, swallowed or absorbed through the skin
R 36-38: Irritating to eyes, respiratory system and skin.
R62: Possible risk of impaired fertility.
R63: Product can cause damage to an unborn child.
15.4 S-phrases:
S 26: In case of eye contact rinse out thoroughly with water and consult a doctor.
S 36/37/39: Wear adequate protective clothing, protective goggles and protective gloves during work.
S 45: In case of an accident or illness consult a doctor immediately.
Special labelling:
15.5 National regulations:
TRGS 905: CAS-no.: 7681-49-4
Statutory order on hazardous incidents: Not applicable.
Water hazard class: 1
Regulation 1993/13/EC: Not applicable.
Workplace classification according to BGV A8: Not applicable

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.

R-phrases: See section 14.