



according Regulation (EU) No. 2015/830  
Date of issue: 15.05.2018  
Revision date: 20.12.2022 / Version: 2.0

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## Hinrisid - Surfactant based debubbler

### SECTION 1: Identification of the substance/mixture and of the company/undertaking:

#### 1.1 Product identifier

Product name: Hinrisid - Surfactant based debubbler

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Industrial use, Professional use

#### 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](mailto:info@hinrichs-dental.de) / [www.hinrichs-dental.de](http://www.hinrichs-dental.de)  
Further information obtainable from: ERNST HINRICHS Dental GmbH

#### Supplier

Ivoclar Vivadent Ltd, 12 Omega Street, Rosedale,  
Auckland 0632, New Zealand.  
Customer Services Phone: 0508 486 252  
Telephone: +64 9 914 9999 Fax: +64 9 914 9990  
Email: [Customercare.nz@ivoclar.com](mailto:Customercare.nz@ivoclar.com)

### SECTION 2: Hazards identification:

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]: **Not classified**

#### 2.2 Label elements:

Labelling according to Regulation (EC) No. 1272/2008 [CLP]:

EUH210: Safety data sheet available on request

#### 2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients:

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

Dangerous components:

(CAS No) 1187742-72-8 (EC No) 932-185-7 (Index No) 01-2119976350-37	Alcohols, C12-14 (even numbered), ethoxylated ( $\leq 2.5$ moles EO), sulfated, monoisopropanolamine salt Skin Irrit. 2, H315, Eye Dam. 1, H318, Aquatic Chronic 3, H412 Eye Irrit. 2: $5\% \leq C < 10\%$ ; Eye Dam. 1: $C \geq 10\%$	< 5 %
(CAS No) 68439-50-9 (EC No) 500-213-3 (Index No) 01-2119487984-16	Alcohols, C12-14, ethoxylated Aquatic Acute 1, H410, Aquatic Chronic 3, H412	< 5 %

Full text of H-statements: see section 16

### SECTION 4: First aid measures:

#### 4.1 Description of first aid measures:

First-aid measures general:

Never give anything by mouth to an unconscious person. If unconscious, place in the recovery position and seek medical advice.



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<b>First-aid measures after inhalation:</b>	Allow breathing of fresh air. If breathing stops, give artificial respiration. Get medical advice/attention if you feel unwell.
<b>First-aid measures after skin contact:</b>	Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>First-aid measures after eye contact:</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>First-aid measures after ingestion:</b>	Rinse mouth. Get medical advice/attention if you feel unwell.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	Not expected to present a significant hazard under anticipated conditions of normal use.
<b>4.3 Indication of any immediate medical attention and special treatment needed:</b>	Treat symptomatically.

### SECTION 5: Firefighting measures:

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<b>5.1 Extinguishing media:</b>	
<b>Suitable extinguishing media:</b>	Making extinguishing agents environment-friendly. Foam. Fire-extinguishing powder. Carbon dioxide. Water spray. Sand.
<b>Unsuitable extinguishing media:</b>	Do not use a heavy water stream.
<b>5.2 Special hazards arising from the substance or mixture:</b>	The product itself does not burn.
<b>5.3 Advice for firefighters:</b>	
<b>Firefighting instructions</b>	Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
<b>Protection during firefighting:</b>	Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures:

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<b>6.1 Personal precautions, protective equipment and emergency procedures:</b>	Provide adequate ventilation. Evacuate unnecessary personnel. Use personal protective equipment as required.
<b>6.2 Environmental precautions:</b>	Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
<b>6.3 Methods and material for containment and cleaning up:</b>	Take up spills with dry chemical absorbent. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
<b>6.4 Reference to other sections:</b>	Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

### SECTION 7: Handling and storage:

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<b>7.1 Precautions for safe handling:</b>	
<b>Additional hazards when processed:</b>	Ensure good ventilation of the work station.



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**Hygiene measures:** Handle in accordance with good industrial hygiene and safety procedures. When using do not eat, drink or smoke. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace.

### 7.2 Conditions for safe storage, including any incompatibilities:

**Storage conditions:** Store in original container. Store tightly closed in a dry and cool place.

**Storage class:** 12 - Non-flammable liquid (TRGS 510)

**7.3 Specific end use(s):** No additional information available.

## SECTION 8: Exposure controls/personal protection

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### 8.1 Control parameters

No additional information available

**DNEL:** No further relevant information available.

**PNEC:** No further relevant information available:

### 8.2 Exposure controls

**Appropriate engineering controls:** Use adequate ventilation to keep vapour concentrations below applicable standard.

**Hand protection:** Wear suitable gloves. Nitrile rubber. 0.4 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Chemical goggles or safety glasses.

**Respiratory protection:** Not necessary with sufficient ventilation.

**Skin and body protection:** Wear suitable protective clothing.

## SECTION 9: Physical and chemical properties:

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### 9.1 Information on basic physical and chemical properties:

**Appearance:** Liquid  
**Physical state:** Liquid  
**Colour:** Clear  
**Odour:** Characteristic  
**Odour threshold:** No data available  
**pH:** No data available  
**Melting point/Freezing point:** No data available  
**Boiling point:** Ca. 100 °C  
**Flash point:** No data available  
**Flammability (solid, gas):** Not applicable  
**Auto-ignition temperature:** No data available  
**Decomposition temperature:** No data available  
**Oxidising properties:** No  
**Explosive properties:** Product is not explosive  
**Explosive limits:** No data available

# Safety Data Sheet



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<b>Vapour pressure:</b>	No data available
<b>Density:</b>	No data available
<b>Relative density:</b>	No data available
<b>Relative vapour density at 20 °C:</b>	No data available
<b>Relative evaporation rate (butylacetate=1):</b>	No data available
<b>Solubility:</b>	Water: Completely miscible
<b>Log Pow:</b>	No data available
<b>Viscosity, dynamic:</b>	No data available
<b>Viscosity, kinematic:</b>	No data available

9.2 Other information: No additional information available.

### SECTION 10: Stability and reactivity:

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<b>10.1 Reactivity:</b>	No dangerous reactions known under normal conditions of use.
<b>10.2 Chemical stability:</b>	Stable under use and storage conditions as recommended in section 7. No decomposition if stored and applied as directed.
<b>10.3 Possibility of hazardous reactions:</b>	None under normal use.
<b>10.4 Conditions to avoid:</b>	No information available.
<b>10.5 Incompatible materials:</b>	None under normal use.
<b>10.6 Hazardous decomposition products:</b>	No hazardous decomposition products known.

### SECTION 11: Toxicological information:

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<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity:</b>	Not classified Based on available data, the classification criteria are not met
<b>Skin corrosion/irritation:</b>	Not classified Based on available data, the classification criteria are not met
<b>Serious eye damage/irritation:</b>	Not classified Based on available data, the classification criteria are not met
<b>Respiratory or skin sensitisation</b>	Not classified Based on available data, the classification criteria are not met
<b>Germ cell mutagenicity:</b>	Not classified Based on available data, the classification criteria are not met
<b>Carcinogenicity:</b>	Not classified Based on available data, the classification criteria are not met
<b>Reproductive toxicity:</b>	Not classified Based on available data, the classification criteria are not met
<b>Specific target organ toxicity (single exposure):</b>	Not classified Based on available data, the classification criteria are not met



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<b>Specific target organ toxicity (repeated exposure):</b>	Not classified Based on available data, the classification criteria are not met
<b>Aspiration hazard:</b>	Not classified Based on available data, the classification criteria are not met
<b>Potential adverse human health effects and symptoms:</b>	Based on available data, the classification criteria are not met

### SECTION 12: Ecological information:

<b>12.1 Toxicity:</b>	
<b>Aquatic toxicity:</b>	No further relevant information available.
<b>12.2 Persistence and degradability:</b>	No information available.
<b>12.3 Bioaccumulative potential:</b>	No information available.
<b>12.4 Mobility in soil:</b>	No information available.
<b>12.5 Results of PBT and vPvB assessment:</b>	
<b>PBT:</b>	Not applicable.
<b>vPvB:</b>	Not applicable.
<b>12.6 Other adverse effects:</b>	No other effects known.

### SECTION 13: Disposal considerations:

<b>13.1 Waste treatment methods</b>	
<b>Regional legislation (waste):</b>	Dispose in a safe manner in accordance with local/national regulations.
<b>Waste disposal recommendations:</b>	When totally empty, containers are recyclable like any other packing.
<b>Waste code:</b>	The waste code number according to the Ordinance on the European Waste Catalogue (AVV) depends on the waste producer and can therefore vary for any given product. The waste code number is therefore to be gleaned separately from each waste producer.

### SECTION 14: Transport information:

<b>14.1 UN number:</b>	
<b>ADR, IMDG, IATA:</b>	Not applicable
<b>14.2 UN proper shipping name</b>	
<b>ADR, IMDG, IATA:</b>	Not applicable
<b>14.3 Transport hazard class(es)</b>	
<b>ADR, IMDG, IATA:</b>	Not applicable
<b>14.4 Packing group:</b>	
<b>ADR, IMDG, IATA:</b>	Not applicable
<b>14.5 Environmental hazards:</b>	No
<b>Marine pollutant:</b>	No



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**Other information:** No supplementary information available

**14.6 Special precautions for user:** Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable.

### SECTION 15: Regulatory information:

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**EU-Regulations:** This mixture is classified as not hazardous according to regulation (EC) 1272/2008.

**National regulations:** **Approval Code:** None allocated  
**Group Standard:** None allocated

**15.2 Chemical safety assessment:** A chemical safety assessment has not been carried out.

### SECTION 16: Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.

#### 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 Harmonised 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 (division of the American Chemical Society)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent

#### Full text of H- and EUH-phrases:

Aquatic Acute 1 Hazardous to the aquatic environment — Acute Hazard, Category 1  
 Aquatic Chronic 3 Hazardous to the aquatic environment — Chronic Hazard, Category 3  
 Eye Dam. 1 Serious eye damage/eye irritation, Category 1  
 Skin Irrit. 2 Skin corrosion/irritation, Category 2  
 H315 Causes skin irritation  
 H318 Causes serious eye damage  
 H400 Very toxic to aquatic life  
 H412 Harmful to aquatic life with long lasting effects