



according Regulation (EU) No. 2015/830

Date of issue: 15.05.2018

Revision date: - / Version: 1.0

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 / 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.)

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 (<=2.5 moles EO), sulfated, monoisopropanolamine salt Skin Irrit. 2, H315, Eye Dam. 1, H318, Aquatic Chronic 3, H412 Eye Irrit. 2: 5 % ≤ C < 10 %; Eye Dam. 1: C ≥ 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.
- First-aid measures after inhalation: Allow breathing of fresh air. If breathing stops, give artificial respiration. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact: Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.



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First-aid measures after eye contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
4.2 First-aid measures after ingestion:	Rinse mouth. Get medical advice/attention if you feel unwell.
4.3 Most important symptoms and effects, both acute and delayed:	Not expected to present a significant hazard under anticipated conditions of normal use.
4.3 Indication of any immediate medical attention and special treatment needed:	Treat symptomatically.

SECTION 5: Firefighting measures:

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

SECTION 6: Accidental release measures:

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

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:	Ensure good ventilation of the work station.
Additional hazards when processed:	Handle in accordance with good industrial hygiene and safety procedures. When using do not eat, drink or smoke.
7.2 Hygiene measures:	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:	Store in original container. Store tightly closed in a dry and cool place.
Storage conditions:	12 - Non-flammable liquid (TRGS 510)
Storage class:	No additional information available.
7.3 Specific end use(s):	

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	No additional information available
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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.

Personal protective equipment:

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:

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

9.2 Other information:

No additional information available.

SECTION 10: Stability and reactivity:

10.1 Reactivity:

No dangerous reactions known under normal conditions of use.

10.2 Chemical stability:

Stable under use and storage conditions as recommended in section 7. No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions:

None under normal use.

10.4 Conditions to avoid:

No information available.

10.5 Incompatible materials:

None under normal use.

10.6 Hazardous decomposition products:

No hazardous decomposition products known.



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SECTION 11: Toxicological information:

11.1 Information on toxicological effects	
Acute toxicity:	Not classified Based on available data, the classification criteria are not met
Skin corrosion/irritation:	Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation:	Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity:	Not classified Based on available data, the classification criteria are not met
Carcinogenicity:	Not classified Based on available data, the classification criteria are not met
Reproductive toxicity:	Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure):	Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure):	Not classified Based on available data, the classification criteria are not met
Aspiration hazard:	Not classified Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms:	Based on available data, the classification criteria are not met

SECTION 12: Ecological information:

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

SECTION 13: Disposal considerations:

13.1 Waste treatment methods	
Regional legislation (waste):	Dispose in a safe manner in accordance with local/national regulations.
Waste disposal recommendations:	When totally empty, containers are recyclable like any other packing.



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Waste code: 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:

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



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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