

According to 1907/2006/EC,
Article 31

Date of issue: 08.07.2014

Printing date: 27.05.2015

Profisep Clean

1. Identification of the substance / Preparation and Company:

Identification of the substance or preparation:

Commercial product name: Profisep Clean

Company / Manufacturer: ERNST HINRICHS Dental GmbH
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 ERNST HINRICHS Dental GmbH

2. Hazards Identification:

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:



GHS02 flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Skin Irrit. 2	H315	Causes skin irritation
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.

2.2 Classification according to Directive 67/548/EEC or Directive 1999/45/EC:



Xi; Irritant

R36/38: Irritating to eyes and skin.



F+; Extremely flammable

R12:	Extremely flammable
R67:	Vapours may cause drowsiness and dizziness.

2.3 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.

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

2.5 Label elements:

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

2.6 Hazard pictograms:



GHS02 GHS07

Signal word Danger

2.7 Hazard-determining components of labelling:

propan-2-ol

2.8 Hazard statements:

H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
H315	Causes skin irritation

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|--|---|
| <p>H319
H336</p> <p>2.9 Precautionary statements:
P210</p> <p>P251
P211</p> <p>P261
P280
P305+P351+P338</p> <p>P304+P340</p> <p>P312</p> <p>P410+P412</p> <p>P501</p> <p>2.10 Additional information:
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
Keep out of the reach of children</p> <p>2.11 Other hazards:
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable</p> | <p>Causes serious eye irritation.
May cause drowsiness or dizziness</p> <p>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not pierce or burn, even after use.
Do not spray on an open flame or other ignition source.</p> <p>Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves / eye protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Dispose of contents/container in accordance with local/regional/national/international regulations.</p> |
|--|---|

3. Composition / Information on Ingredients:

<p>3.1 Chemical characterization: Description:</p>	<p>Mixture. Mixture of substances listed below with non-hazardous additions.</p>	
<p>3.2 Dangerous components: CAS: 29387-86-8 EINECS: 249-598-7</p>	<p>butoxypropan-1-ol  Xi R36/38  Skin Irrit. 2, H315;  Eye Irrit. 2, H319</p>	<p>25-50%</p>
<p>CAS: 67-63-0 EINECS: 200-661-7</p>	<p>propan-2-ol  Xi R36;  F R1, R67  Flam. Liq. 2, H225;  Eye Irrit. 2, H319; STOT SE 3, H336</p>	<p>25-50%</p>
<p>CAS: 74-98-6 EINECS: 200-827-9</p>	<p>propane  F+ R12  Flam. Gas 1, H220; Press. Gas, H280</p>	<p>10-25%</p>

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CAS: 106-97-8
EINECS: 203-448-7

butane



F+ R12



Flam. Gas 1, H220; Press. Gas, H280

2.5-10%

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

4. First aid measures:

4.1 Description of first aid measures:

4.2 After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

4.3 After skin contact:

Immediately wash with water and soap and rinse thoroughly.

4.4 After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

4.5 After swallowing:

If symptoms persist consult doctor.

Rinse out mouth and then drink plenty of water.

4.6 Information for doctor:

Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5. Firefighting measures:

5.1 Extinguishing media:

5.2 Suitable extinguishing agents

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.3 For safety reasons unsuitable extinguishing agents

Water with full jet

5.4 Special hazards arising from the substance or mixture

No further relevant information available.

5.5 Advice for firefighters

5.6 Protective equipment:

No special measures required.

6. Accidental release measures:

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away

6.2 Environmental precautions:

Do not allow to enter sewers / surface or ground water.

6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and Storage:

7.1 Handling:

7.2 Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

7.2 Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray onto a naked flame or any incandescent material

7.5 Conditions for safe storage, including any incompatibilities:

7.4 Storage:

Requirements to be met by storerooms and receptacles: Store in a cool location. Observe official regulations on storing packagings with pressurized containers.

Information about storing in one common storage facility: Not required.

Further information about storage conditions:

Keep container tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

Specific end use(s)

No further relevant information available.

8. Exposure controls / Personal protection:

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

8.2 Ingredients with limit values that require monitoring at the workplace:

67-63-0 propan-2-ol

WEL	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm
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106-97-8 butane

WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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8.3 Additional information: The lists valid during the making were used as basis.

8.4 Exposure controls:

8.5 Personal protective equipment:
General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

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.

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.

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

Nitrile rubber, NBR
Butyl rubber, BR
Fluorocarbon rubber (Viton)

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Eye protection:



Tightly sealed goggles.

9. Physical and chemical properties:

9.1 Information on basic physical and chemical properties

9.2 General information:

Appearance:

Form: Aerosol
Colour: Colourless
Odour: Characteristic

9.2 Change in condition:

Melting point / Melting range: Undetermined.
Boiling point / Boiling range: -44°C
Flash point: -97°C
Ignition temperature: 260°C
Self-igniting: Product is not self-igniting.
Danger of explosion: Product is not explosive. However, formations of explosive air/vapour mixtures are possible.

Explosion limits:

Lower: 1,1 Vol %
Upper: 12,0 Vol %

Vapour pressure at 20°C: 8300 hPa

Density at 20°C: 0,727 g/cm³

Solubility in / miscibility with water: Partly miscible.

Viscosity

Dynamic: Not applicable.
Not determined.
Kinematic: Not applicable.
Not determined.

Solvent content:

Organic solvents: 67,0 %

VOC (EC) 67 %

Other information No further relevant information available.

10. Stability and Reactivity:

10.1 Reactivity

10.2 Chemical stability

10.3 Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.4 Possibility of hazardous reactions No dangerous reactions known.

10.5 Conditions to avoid No further relevant information available.

Incompatible material No further relevant information available.

Hazardous decomposition products No dangerous decomposition products known.

11. Toxicological Information:

11.1 Information on toxicological effects

11.2 Acute toxicity:

LD/LC50 values relevant for classification		
29387-86-8 butoxypropan-1-ol		
Oral	LD50	>3300 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
67-63-0 propan-2-ol		
Oral	LD50	5045 mg/kg (rat)
Dermal	LD50	12800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)



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106-97-8 butane		
Inhalative	LC50/4 h	658 mg/l (rat)

11.3 Primary irritant effect:
 on the skin: Irritant to skin and mucous membranes.
 on the eye: Irritating effect.
 Sensitization: No sensitizing effects known.
 Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant.

12. Ecological Information:

12.1 Toxicity
 Aquatic toxicity: No further relevant information available.
 12.2 Persistence and degradability: No further relevant information available.
 12.3 Behaviour in environmental systems:
 12.4 Bioaccumulative potential: No further relevant information available.
 12.5 Mobility in soil: No further relevant information available.
 12.6 Additional ecological information:
 12.7 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.
 12.8 Results of PBT and vPvB assessment
 PBT: Not applicable.
 vPvB: Not applicable.
 Other adverse effects: No further relevant information available.

13. Disposal Considerations:

13.1 Waste treatment methods
 13.2 Recommendation: Must not be disposed together with the household garbage. Do not allow product to reach sewage system.
 13.3 Uncleaned packaging – Recommendation: Disposal must be made according to official regulations.

14. Transport Information:

UN-Number	UN1950
ADR, IMDG, IATA	
UN proper shipping name	1950 AEROSOLS
ADR	AEROSOLS
IMDG	AEROSOLS, flammable
IATA	
Transport hazard class(es)	
ADR	
Class	2.1
Label	2.1
IMDG, IATA	
Class	2.1
Label	2.1

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Packing group ADR, IMDG, IATA	Void
Environmental hazards Marine pollutant	No
Special precautions for user Danger code (Kemler) EMS Number:	Warning: Gases - F-D,S-U
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable
Transport/Additional information ADR	
Excepted quantities (EQ): Limited quantities (LQ) Transport category Tunnel restriction code	E0 1L 2 D

UN „Model Regulation“: UN1950, AEROSOLS, 2.1

15. Regulatory Information:

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:
15.2 Labelling according to Regulation (EC) No 1272/2008: The product is classified and labelled according to the CLP regulation.

15.2 Hazard pictograms:



GHS02 GHS07

- 15.3 Signal word: Danger.
15.4 Hazard-determining components of labelling: Propan-2-ol.
15.5 Hazard statements:

H222-H229: Extremely flammable aerosol. Pressurised container:
May burst if heated.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

- 15.6 Precautionary statements:
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.
P251: Do not pierce or burn, even after use.
P211: Do not spray on an open flame or other ignition source
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P280: Wear protective gloves / eye protection
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.



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- P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- P501: Dispose of contents/container in accordance with local/regional/national/international Regulations.
- 15.7 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other 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 phrases:

- H220: Extremely flammable gas.
 H225: Highly flammable liquid and vapour.
 H280: Contains gas under pressure; may explode if heated.
 H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H336: May cause drowsiness or dizziness.

- R11: Highly flammable.
 R12: Extremely flammable.
 R36: Irritating to eyes.

16.2 Abbreviations and acronyms:

- RID Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- IATA-DGR Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
- ICAO International Civil Aviation Organization
- ICAO-TI Technical Instructions by the "International Civil Aviation Organization" (ICAO)
- 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 Harmonized 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)
- VOC Volatile Organic Compounds (USA, EU)
- LC50 Lethal concentration, 50 percent
- LD50 Lethal dose, 50 percent

* Data compared to the previous version altered