



According to 1907/2006/EC, Article 31
 Revised: 29.05.2019

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Profisep Clean

1. Identification of the substance / Preparation and Company:

1.1	Product identifier	
	Commercial product name:	Profisep Clean
1.2	Relevant identified uses of the substance or mixture and uses advised against:	No further relevant information available.
	Use of the substance / the mixture:	Auxiliary agent in dentistry
1.3	Details of the supplier of the safety data sheet	
1.3	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.)

2. Hazards Identification:

2.1	Classification of the substance or mixture	Classification according to Regulation (EC) No 1272/2008
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GHS02 flame

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.
 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.

Particular hazard statements for humans and environment: The product is subject to labelling based on the calculation method of the "General Classification Guideline of the EU for Preparations" in the last amended version.
 Classification system: The classification corresponds to the current EC lists, is however supplemented with information from the specialist literature and with company information.

2.2 Label elements

Labelling according to Regulation (EC) 1272/2008: The product is classified and labelled according to the CLP Regulation.

Hazard pictograms



GHS02 GHS07

Signal word: Hazard
 Hazard-determining components of labelling: Propan-2-ol



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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

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.
- 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.

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

2.3 **Other hazards:**












Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable

3. Composition / Information on Ingredients:

3.1 **Chemical characterization:** Mixtures
Description: Mixture of substances listed below with non-hazardous additions.

<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>
<p>CAS: 106-97-8 EINECS: 203-448-7</p>	<p>butane  F+ R12  Flam. Gas 1, H220; Press. Gas, H280</p>	<p>2.5-10%</p>

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:**
 After inhalation: In case of unconsciousness place and transport in a stable lateral position.



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After skin contact:	Wash off immediately with soap and water and rinse thoroughly.
After eye contact:	Rinse eyes under running water for several minutes with the eyelid open. If symptoms persist, consult a physician.
After swallowing:	If symptoms persist, consult a physician. Rinse mouth and drink copious amounts of water.
Information for the physician:	
4.2 Most important symptoms and effects, both acute and delayed:	No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment needed:	No further relevant information available.

5. Firefighting measures:

5.1 Extinguishing media: Suitable extinguishing agents:	CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam. Full water jet
For safety reasons unsuitable extinguishing agents:	
5.2 Special hazards arising from the substance or mixture:	No further relevant information available.
5.3 Advice for firefighters Special 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 / precautions for safe handling:	Ensure good ventilation/extraction at the workplace. Open and handle container with care.
Notes on fire and explosion protection:	Keep sources of ignition away - no smoking. Take measures against electrostatic charging. Pressurised container. Protect from sunlight and temperatures exceeding 50°C (e.g. due to light bulbs). Do not open by force or burn, even after use. Do not spray into flames or red-hot objects.
7.2 Conditions for safe storage, including any incompatibilities Storage:	
Requirements to be met by storerooms and receptacles:	Store in a cool place. The official regulations for the storage of pressurised aerosol packaging must be observed.
Information about storing in one common storage facility:	Not required.
Further information about storage conditions:	Keep containers tightly closed. Do not close the container gas-tight. Store in cool and dry place in tightly closed containers. Protect from heat and direct sunlight.
Storage class:	2B
Specific end use(s)	No further relevant information available.



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8. Exposure controls / Personal protection:

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

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

67-63-0 Propan-2-ol

OEL long-term value: 500 mg/m³, 200 ml/m³
 2(II);DFG, Y

74-98-6 Propane

OEL long-term value: 1800 mg/m³, 1000 ml/m³
 4(II);DFG

106-97-8 Butane

OEL long-term value: 2400 mg/m³, 1000 ml/m³
 4(II);DFG

Components with biological limit values:

67-63-0 Propan-2-ol

BLV 25 mg/l Sample material: Whole blood
 Sampling time: end of exposure or shift
 Parameter: Acetone
 25 mg/l
 Sample material: Urine
 Sampling time: end of exposure or shift
 Parameter: Acetone

Additional information: The lists valid during the making were used as basis.

Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

Keep away from food, drink and animal feed.
 Take off contaminated, soaked clothing immediately.
 Wash hands prior to breaks and at the end of work.
 Do not inhale gases/vapours/aerosols.
 Avoid contact with eyes and skin.
 Use suitable respiratory protective device in case of insufficient ventilation.

Respiratory protection:

Hand protection:



Protective gloves:

The glove material must be impermeable and resistant to the product / substance / preparation. Selection of the glove material taking into account breakthrough times, permeation rates and degradation.

Glove material

The selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.

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.

Gloves made of the following materials are suitable as splash protection:

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



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Eye protection:



Tightly sealing safety goggles.

9. Physical and chemical properties:

9.1 Information on basic physical and chemical properties

General information:

Appearance:

Form:	Aerosol
Colour:	Colourless
Odour:	Characteristic
Change in condition:	
Melting point / Melting range:	Not determined.
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, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	1,1 Vol %
Upper:	12,0 Vol %
Vapour pressure at 20°C:	4000 hPa
Density at 20°C:	0,727 g/cm ³
Solubility in / miscibility with water:	Partially miscible.
Viscosity	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solvent content:	
VOC (EC):	67,0 %
Solids content:	0 %
9.2 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 hazardous reactions known.
10.5	Conditions to avoid	No further relevant information available.
	Incompatible material	No further relevant information available.
10.6	Hazardous decomposition products	No hazardous decomposition products known.

11. Toxicological Information:

11.1	Information on toxicological effects	
	Acute toxicity:	
	Classification-relevant LD/LC50 values:	
	29387-86-8 Dowanol PnB	
	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)



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Inhalative LC50/4 h 30 mg/l (rat)

106-97-8 Butane

Inhalative LC50/4 h 658 mg/l (rat)

11.2 Primary irritant effect:
 on the skin: Irritates the skin and mucous membranes.
 on the eye: Irritant effect.
 Sensitisation: No sensitizing effects known.
 Additional toxicological information: Based on the calculation method of the General Classification Guideline of the EU for preparations in the last amended version, the product exhibits the following hazards: 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: No further relevant information available.
 12.4 Bioaccumulative potential: No further relevant information available.
 12.5 Mobility in soil: No further relevant information available.
 Additional ecological information:
 General notes: Water hazard class 1 (self-classification): slightly hazardous to water
 Do not allow to enter groundwater, waters or the sewage system undiluted or in larger amounts.
 12.6 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 of together with household waste. Do not allow to enter the sewage system.
 European Waste Directory
 16 00 00 WASTE NOT LISTED ELSEWHERE IN THE DIRECTORY
 16 05 00 Gases in pressure vessels and spent chemicals
 16 05 04 gases in pressure vessels containing dangerous substances (including halons)
 13.3 Uncleaned packaging – Recommendation: Disposal in accordance with official regulations.

14. Transport Information:

14.1 UN-Number UN1950
 ADR, IMDG, IATA
 14.2 UN proper shipping name 1950 PRESSURISED GAS PACKAGING
 ADR AEROSOLS
 IMDG AEROSOLS, flammable
 IATA
 14.3 Transport hazard class(es)
 ADR

 Class 2.5F Gases.



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Label	2.1
IMDG, IATA	
Class	2.1
Label	2.1
14.4 Packing group	
ADR, IMDG, IATA	not applicable
14.5 Environmental hazards	
Marine pollutant	No
14.6 Special precautions for user	Attention gases
Kemler number:	-
EMS Number:	F-D,S-U
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable
Transport/Additional information	
ADR	
Excepted quantities (EQ):	E0
Limited quantities (LQ)	1L
Transport category	2
Tunnel restriction code	D
Notes:	Limited quantity: Maximum 30 kg per package (carton), apply "diamond with black corners label" to the carton.
UN „Model Regulation“:	UN1950, PRESSURISED GAS PACKAGING, 2.1

15. Regulatory Information:

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:	
Labelling according to Regulation (EC) No 1272/2008:	The product is classified and labelled according to the CLP regulation.
Hazard pictograms:	
GHS02	GHS07
Signal word	Hazard
Hazard-determining components of labelling:	Propan-2-ol.
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.
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.
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.



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National regulations:

Technical instructions air:	Class	Percentage in %
	NK	67.0

Water hazard class:	WGK 1 (self-classification): slightly hazardous to water.
Other regulations, restrictions and prohibition ordinances:	customs tariff number: 3506 10 00

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

16. Other Information:

The information contained in this safety data sheet is based to the best of our knowledge and belief on currently available information regarding the correct handling of the product under normal conditions. Any other use of this product in combination with other processes not included in this data sheet is the sole responsibility of the user. This document does not constitute an express or implied warranty as to product quality or suitability for a particular purpose.

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.
R36/38	Irritating to eyes and skin.
R67	Vapours may cause drowsiness and dizziness.
Recommended restriction of use:	Product for professional use only.

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)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

* Data compared to the previous version altered