

According to 1907/2006/EG,
Article 31

Date of issue: 05.10.2010

Printing date: 29.08.11

Profisep Clean













1. Identification of the substance / Preparation and Company:

Identification of the substance or preparation:

Commercial product name: Profisep 2010 – Cleaning agent for dental technology



Company / Manufacturer: ERNST HINRICHS GmbH
Borsigstr. 1
D - 38644 Goslar
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2. Composition / Information on Ingredients:

2.1	Chemical characterization:	Mixture.	
	Description:	Mixture of substances listed below with non-hazardous additions.	
2.2	Dangerous components:		
	CAS: 29387-86-8 EINECS: 249-598-7	 Butoxypropan-1-ol Xi, R36/38 Warning:  3.2/2; 3.3-2A3; 2.6/4	25-50 %
	CAS: 67-63-0 EINECS: 200-661-7	  propan-2-ol Xn, F, R 11-36-67 Danger:  2.6/2 Warning:  3.3/2A, 3.8/3	25-50 %
	CAS: 74-98-6 EINECS: 200-827-9	 propane F+; R 12 Danger:  2.2/I Warning:  2.5L	10-25 %
	CAS: 106-97-8 EINECS: 203-448-7	 butane F+; R 12 Danger:  2.2/I Warning:  2.5L	2,5-10 %
2.3	Additional information:	For the wording of the listed risk phrases refer to section 16.	

3. Hazards Identification:

3.1 Hazard description:

  Xi Irritant
 F+ Extremely flammable

3.2 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.

3.3 R 12 Extremely flammable.
 R 36/38 Irritating to eyes and skin.
 R 67 Vapours may cause drowsiness and dizziness.

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3.4 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

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

3.6 GHS-label elements:



Danger

2.3/1 Extremely flammable aerosol.



Warning

3.2/2

3.3/2A

3.8/3

| Causes skin irritation.

| Causes serious eye irritation.

| May cause drowsiness or dizziness.

3.7 Prevention:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

3.8 Response:

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER or doctor/physician if you feel unwell.

Specific treatment (see label).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

3.9 Storage:

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

3.10 Disposal:

Dispose of contents/container in accordance with local/regional/national/international regulations.

4. First aid measures:

- | | | |
|-----|---------------------|--|
| 4.1 | After inhalation: | In case of unconsciousness place patient stably in side position for transportation. |
| 4.2 | After skin contact: | Immediately wash with water and soap and rinse thoroughly. |
| 4.3 | After eye contact: | Rinse open eye for several minutes under running water. If symptoms persist, consult a doctor. |
| 4.4 | After swallowing: | If symptoms persist consult doctor. |



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5. Fire Fighting measures:

- 5.1 Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 For safety reasons unsuitable extinguishing agents: Water with full jet.
- Protective equipment: No special measures required.

6. Accidental release measures:

- 6.1 Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
- 6.2 Measures for environmental protection: Do not allow to enter sewers / surface or ground water.
- 6.3 Measures for cleaning / collecting: Ensure adequate ventilation.

7. Handling and Storage:

- 7.1 Handling:
 Information for safe handling: Ensure good ventilation / exhaustion at the workplace. Open and handle receptacle with care.
 Information about fire- and explosion protection: Keep ignition sources away – Do not smoke. Protect against electrostatic charges.
 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.
- 7.2 Storage:
 Requirements to be met by storerooms and receptacles: Store in a cool location. Observe official regulations on storing packagings with pressurized containers. Not required.
 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.

8. Exposure controls / Personal protection:

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

8.1 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
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)

- 8.2 Additional information: The lists valid during the making were used as basis.
- 8.3 Personal protective equipment: Keep away from foodstuffs, beverages and feed.
 General protective and hygienic measures: 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.

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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. Nitrile rubber, NBR.

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

Eye protection:



Tightly sealed goggles.

9. Physical and chemical properties:

9.1 General information:

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: 3000 hPa
 Density at 20°C: 0,727 g/cm³
 Solubility in / miscibility with water: Partly miscible.
 Solvent content: 67,0 %
 Organic solvents:

10. Stability and Reactivity:

10.1 Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
 10.2 Dangerous reactions: No dangerous reactions known.
 10.3 Dangerous decomposition products: No dangerous decomposition products known.

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11. Toxicological Information:

11.1 Acute toxicity:	
Primary irritant effect:	
On the skin:	Irritant to skin and mucous membranes.
On the eye:	Irritant 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. General notes:	Water hazard class 1 (German regulation) (Self-assessment): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system.
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13. Disposal Considerations:

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

14. Transport Information:

Land transport ADR/RID (cross-border)	
	
ADR/RID class:	2.5F Gases.
Danger code (Kemler):	-
UN-Number:	1950
Packaging group:	-
Hazard label	2.1
UN proper shipping name:	1950 AEROSOLS
Maritime transport IMDG:	
	
IMDG Class:	2.1
UN-Number:	1950
Label:	2.1
Packaging group:	-
EMS-Number:	F-D, S-U
Marine pollutant:	No.
Proper shipping name:	AEROSOLS
Air transport ICAO-TI and IATA-DGR:	
	
ICAO/IATA-Class:	2.1
UN/ID-Number:	1950
Label:	2.1
Packaging group:	-
Proper shipping name:	AEROSOLS, flammable

UN „Model Regulation“: UN1950, AEROSOLS, 2.1



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15. Regulatory Information:

15.1 Labelling according to EU guidelines: The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

15.2 Code letter and hazard designation of product:



Xi Irritant
F+ Extremely flammable

15.3 R-phrases:

12	Extremely flammable.
36/38	Irritating to eyes and skin.
67	Vapours may cause drowsiness and dizziness.

15.4 S-phrases:

9	Keep container in a well-ventilated place.
16	Keep away from sources of ignition – No smoking.
23	Do not breath aerosol.
26	In case of contact, rinse immediately with plenty of water and seek medical advice.
33	Take precautionary measures against static discharges.
51	Use only in well-ventilated areas.
60	This material and its container must be disposed as hazardous waste.

15.5 Special labelling of certain preparations:

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.

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.

16.1 Relevant R-phrases:

11	Highly flammable.
12	Extremely flammable.
36	Irritating to eyes.
36/38	Irritating to eyes and skin.
67	Vapours may cause drowsiness and dizziness.

16.2 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).
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
IMDG:	International Maritime Code for Dangerous Goods.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association".
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization".
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals.