

## safety data sheet

### to product

## GREEN&CLEAN HD N Hand disinfection Euro. 6x 500ml

### 1. Identification of the substance / preparation and company

#### Emergency number:

Tox Info Suisse, Freiestrasse 16, 8032 Zürich; Tox-Info Suisse: 145 (24h-operation); [info@toxinfo.ch](mailto:info@toxinfo.ch);  
**In case of emergency: Tel. 145;** (abroad: +41 44 251 51 51); information: +41 44 251 66 66

#### Company name:



abc dental ag

Gaswerkstrasse 6, 8952 Schlieren  
Tel. 044 755 51 00, Fax 044 755 51 01



Condor Dental Research CO Sàrl

Ch. des Ciberles 2, CP 300, 1896 Vouvry  
Tel. 024 482 61 61, Fax 024 482 61 69



Curaden AG Dentaldepot

Riedstrasse 12, 8953 Dietikon  
Tel. 041 319 45 00, Fax 041 319 45 90



dema dent AG

Furtbachstrasse 16, 8107 Buchs  
Tel. 044 838 65 65, Fax 044 838 65 66



Flexdental Services SA

Route de la Corniche 1, 1066 Epalinges  
Tel. 0848 336 825, Fax 021 907 67 02



Jordi Röntgentechnik AG

Dammstrasse 70, 4142 Münchenstein  
Tel. 061 417 93 93, Fax 061 417 93 94



Kaladent AG

Schachenstrasse 2, 9016 St. Gallen  
Tel. 071 282 80 80, Fax 071 282 80 81



Lometral AG

Binzenholzstrasse 20, 5704 Egliswil  
Tel. 062 775 05 05, Fax 062 775 33 07



Novadent AG

Sägereistrasse 17, 8152 Glattbrugg  
Tel. 044 880 20 20, Fax 044 811 04 40



Smart Dentist AG

Verenastrasse 4b, 8832 Wollerau  
Tel. 044 726 20 20, Fax 044 726 20 25

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name/designation** GREEN&CLEAN HD N**Authorisation No.** BAuA Nummer: N-97002**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses****Sector of uses [SU]**

SU20 Health services.

**Product categories [PC]**

disinfectants

PC8 Biocides (e.g. disinfectants and parasiticide)

**1.3 Details of the supplier of the safety data sheet****Manufacturer**

Antiseptica Dr Hans-Joachim Molitor GmbH

Carl-Friedrich-Gauß-Str 7

Deutschland-550259 Pulheim/Braunwiler

Telephone: \*49 2234 98466 0

Telefax: \*49 2234 98466 11

www.anticeptica.com

**Supplier**

METASYS Medizintechnik GmbH

Florianistr. 3

Österreich-6060 Rum bei Innsbruck

Telephone: \*43 512 205420

Telefax: \*43 512 205420 7

E-mail: sebastian.geiger@metasys.com

Department responsible for information: DES/ ENT

E-mail (competent person): sebastian.geiger@metasys.com

www.metasys.com

**1.4 Emergency telephone number**

Giftnotruf München \*49-(0)89-19240

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**SECTION 2: Hazards identification****Hazards description****Hazard designation:**

The preparation is dangerous in the sense of Directive 1999/45/EC.

**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP]****health hazards**

Eye Irrit. 2

**hazard statements for health hazards**

H319 Causes serious eye irritation.

**Physical hazards**

Flam. Liq. 2

**hazard statements for physical hazards**

H225 Highly flammable liquid and vapour.

**2.2 Label elements****Labelling according to Regulation (EC) No. 1272/2008 [CLP]****Hazard components for labelling**

Ethanol, n-Propanol

**Hazard pictograms**

GHS02

GHS07

**Signal word**

Danger

**Hazard statements****Hazard statements for physical hazards**

H225 Highly flammable liquid and vapour.

**hazard statements for health hazards**

H319 Causes serious eye irritation.

**Precautionary statements****General:**

P102 Keep out of reach of children.

**Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P235 Keep cool.

**Response:**

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

**Disposal:**

P501 Dispose of contents/container to an appropriate recycling or disposal facility.

**2.3 Other hazards**

No data available

**SECTION 3: Composition / information on ingredients****3.1/3.2 Substances/Mixtures****Hazardous ingredients**

ethanol

50 - 60 %

CAS 64-17-5

EC 200-578-6

INDEX 603-002-00-5

Flam. Liq. 2, H225

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propan-1-ol 9 - 11 %  
CAS 71-23-8  
EC 200-746-9  
INDEX 603-003-00-0  
Flam. Liq. 2, H225 / Eye Dam. 1, H318 / STOT SE 3, H336

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**SECTION 4: First aid measures****4.1 Description of first aid measures****General information**

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Take off immediately all contaminated clothing.

**Following inhalation**

Provide fresh air. In case of irritation of the respiratory tract seek medical advice.

**Following skin contact**

not applicable

**After eye contact**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

**After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

**4.2 Most important symptoms and effects, both acute and delayed**

No data available

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

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**SECTION 5: Firefighting measures****Additional information**

Extinguishing materials should be selected according to the surrounding area. Move undamaged containers from immediate hazard area if it can be done safely.

**5.1 Extinguishing media****Suitable extinguishing media**

alcohol resistant foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Atomized water.

**Unsuitable extinguishing media**

High power water jet.

**5.2 Special hazards arising from the substance or mixture****Hazardous combustion products**

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

**5.3 Advice for firefighters****Special protective equipment for firefighters**

Protective clothing. In case of fire: Wear self-contained breathing apparatus.

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**SECTION 6: Accidental release measures****Additional information**

Eliminate leaks immediately.

**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel****Personal precautions**

Remove all sources of ignition. Provide adequate ventilation. Vapours are heavier than air and will spread at floor level.

**6.2 Environmental precautions**

Retain contaminated washing water and dispose.

**6.3 Methods and material for containment and cleaning up**

No data available

**6.4 Reference to other sections**

No data available

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Protective measures****Further information**

To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting self-closing lids.

**Measures to prevent fire**

Keep away from:

Oxidizing agents.

Product is:

Flammable. When using do not smoke.

**7.2 Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep/Store only in original container.

**Hints on joint storage****Storage class**

Entzündliche flüssige Stoffe.

**Further information on storage conditions****storage temperature**

Value 5 - 25 °C

**7.3 Specific end use(s)****Recommendation**

Observe instructions for use.

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**SECTION 8: Exposure controls/personal protection**
**8.1 Control parameters**
**Occupational exposure limit values**

CAS No.	Substance name	LTV	STV	remark
71-23-8	Propan-1-ol	500 mg/m <sup>3</sup> 200 ppm	625 mg/m <sup>3</sup> 250 ppm	
64-17-5	Ethanol	1920 mg/m <sup>3</sup> 1000 ppm		Great Britain (UK) Great Britain (UK)

LTV = long-term occupational exposure limit value

STV = short-term occupational exposure limit value

 source: GESTIS International Limit Values (<http://limitvalue.ifa.dguv.de/>)

 Monitoring and observation processes: GESTIS Analytical Methods (<http://amcaw.ifa.dguv.de/>)

**8.2 Exposure controls**
**Personal protection equipment**
**Eye/face protection**
**Suitable eye protection:**

Tightly sealed safety glasses.

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

**SECTION 9: Physical and chemical properties**
**9.1 Information on basic physical and chemical properties**
**Appearance**
**Physical state**

liquid

**Colour**

colourless

**Odour**

Alcohol

		parameter	Method - source - remark
pH	ca.3	Concentration (g/L) 50 g/L	
Melting point/freezing point			not determined
Initial boiling point and boiling range	>78 °C		
Flash point (°C)	22 °C		Flash point (°C): DIN 51755 part 1
Evaporation rate			not determined
flammability			not determined
Upper explosion limit	15 Vol-%		
lower explosion limit	2,4 Vol-%		
Vapour pressure			not determined

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	parameter	Method - source - remark
Vapour density		not determined
Relative density	0,9 g/cm <sup>3</sup> Temperature 20 °C	
Fat solubility (g/L)		not determined
Water solubility (g/L)		complete miscible
Soluble (g/L) in		not determined
Partition coefficient: n-octanol/water		not determined
Auto-ignition temperature		not determined
Auto-ignition temperature		not determined
Decomposition temperature		not determined
Dynamic viscosity	9 mPa*s	
flow time		not determined
Kinematic viscosity		not determined

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## 9.2 Other information

**Freezing point** <-20 °C

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

### 10.2 Chemical stability

No hazardous reaction when handled and stored according to provisions.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

In case of warming:

Ignition hazard.

### 10.5 Incompatible materials

#### Materials to avoid

none

### 10.6 Hazardous decomposition products

No known hazardous decomposition products.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Acute oral toxicity** >5000 mg/kg

#### Effective dose

ATEmix calculated:

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**Species:**

Rat.

**SECTION 12: Ecological information****12.1 Toxicity**

No 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**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**12.6 Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****remark**

Remove according to the regulations.

**Directive 2008/98/EC (Waste Framework Directive)****Before intended use****Appropriate disposal / Package**

Handle contaminated packaging in the same way as the substance itself.

**Waste code product** 070699**hazardous waste** No**Waste name**

wastes not otherwise specified

**After intended use****Appropriate disposal / Product**

Waste disposal according to official state regulations.

**SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	1987	1987	1987
14.2 Proper Shipping Name	ALCOHOLS, N.O.S. (ETHANOL, N-PROPANOL)	ALCOHOLS, N.O.S. (ETHANOL, N-PROPANOL)	Alcohols, n.o.s. (ETHANOL, N-PROPANOL)
14.3 Class(es)	3	3	3
14.4 Packing group	II	II	II



	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.5 ENVIRONMENTALLY HAZARDOUS	No	No	No
14.6 Special precautions for user	not applicable	not applicable	not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	not applicable	not applicable No transport as bulk according to IBC Code.	not applicable

**Additional information - Land transport (ADR/RID)**

<b>Hazard label(s)</b>	3
<b>Classification code</b>	F1
<b>Special Provisions</b>	640D
<b>Limited quantity (LQ)</b>	1 L
<b>Hazard identification number (Kemler No.)</b>	33
<b>tunnel restriction code</b>	D/E
<b>transport category</b>	2

**Additional information - Air transport (ICAO-TI / IATA-DGR)**

<b>Limited quantity (LQ)</b>	1
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**SECTION 15: Regulatory information**
**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
**15.2 Chemical Safety Assessment**

No data available

**SECTION 16: Other information**
**Key literature references and sources for data**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.