

safety data sheet

to product

GREEN & CLEAN HL

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;
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 Cibleries 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

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name/designation GREEN&CLEAN HL

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

remark

The product is intended for professional use.

Sector of uses [SU]

SU20 Health services

1.3 Details of the supplier of the safety data sheet

Manufacturer

METASYS Medizintechnik GmbH

Florianistrasse 3

Österreich-6063 Rum bei Innsbruck

Telephone: *43-512-205420

Telefax: *43-512-205420-7

E-mail: sebastian.geiger@metasys.com

Dept. responsible for information: DES/ ENT

Information telephone: *43-512-205420

Information telefax: *43-512-205420-7

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

www.metasys.com

1.4 Emergency telephone number

No data available

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

health hazards

Acute Tox. 4

hazard statements for health hazards

H302 Harmful if swallowed.

health hazards

Skin Irrit. 2

hazard statements for health hazards

H315 Causes skin irritation.

health hazards

Eye Dam. 1

hazard statements for health hazards

H318 Causes serious eye damage.

Environmental hazards

Aquatic Chronic 3

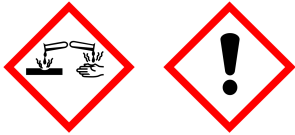
hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



GHS05

GHS07

Signal word

Danger

Hazard statements

hazard statements for health hazards

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

Hazard statements for environmental hazards:

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Prevention:

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301+ P312 BEI VERSCHLUCKEN: Bei Unwohlsein GIFTINFORMATIONSZENTRUM oder Arzt anrufen.

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

P310 Sofort GIFTINFORMATIONSZENTRUM oder Arzt anrufen.

P330 Rinse mouth.

Product identifiers

Cocoaminoxid

Chlorhexidine digluconate

Special rules on packaging

Tactile warning according to EN/ISO 11683.

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1/3.2 Substances/Mixtures

Hazardous ingredients

PEG-12 diolate 3 %

Propylenglykol 5 %

CAS 57-55-6

EC 200-338-0

Cocoaminoxid	20 %
CAS 61788-90-7	
EC 263-016-9	
Skin Irrit. 2, H315 / Eye Dam. 1, H318	
Chlorhexidine digluconate	5 %
CAS 18472-51-0	
EC 242-354-0	
Acute Tox. 4, H302 / Aquatic Acute 1, H400 / Aquatic Chronic 2, H411	

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated, saturated clothing immediately. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

Following skin contact

Water

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water.

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

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water

Foam

Dry extinguishing powder

Unsuitable extinguishing media

Full water jet

Strong water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon monoxide

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Special protective equipment for firefighters

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures

Provide adequate ventilation.

Personal precautions

Use personal protection equipment.

For emergency responders

Personal protection equipment

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Ensure waste is collected and contained.

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up:

Universal binder
Absorbing material, organic
Sand
Kieselguhr
Earth
Peat
Sawdust

For cleaning up

Suitable material for diluting or neutralizing:

Water

6.4 Reference to other sections

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Advices on safe handling

Eye contact

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage

Storage class

Combustible corrosive substances (liquid)

Further information on storage conditions

storage temperature

Value 5 - 35 °C

7.3 Specific end use(s)

No data available

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

CAS No.	Substance name	LTV	STV	remark
57-55-6	Propane-1,2-diol, particulates	10 mg/m ³		
				Great Britain (UK)
57-55-6	Propane-1,2-diol, total vapour & particulates	474 mg/m ³	150 ppm	
				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:

Eye glasses

Skin protection
remark

Hand protection is not required

Body protection:
Suitable protective clothing:

lab coat

Respiratory protection
remark

Usually no personal respirative protection necessary.

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

viscous

Colour

dark red

Odour

characteristic

	parameter	Method - source - remark
pH	5,6	
Melting point/freezing point		not determined
Initial boiling point and boiling range		not determined
Flash point (°C)	99 °C	

parameter	Method - source - remark
Evaporation rate	not determined
flammability	not determined
Upper explosion limit	not determined
lower explosion limit	not determined
Vapour pressure	Corresponds to the vapour pressure of water.
Vapour density	not determined
Relative density 1 g/cm ³	Density
Fat solubility (g/L)	emulsifiable
Water solubility (g/L)	complete miscible
Soluble (g/L) in	emulsifiable
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not determined
Decomposition temperature	not determined
Dynamic viscosity 15 mPa*s	Temperature 25 °C
flow time	not determined
Kinematic viscosity	not determined

9.2 Other information

Solvent content (%)

Value 5,15 %

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

none

10.5 Incompatible materials

Materials to avoid

none

10.6 Hazardous decomposition products

not relevant

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity >5000 mg/kg

Effective dose

LD50:

Species:

Rat

Exposure time: 48 h

remark

calculated

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity 22,3 mg/L

Effective dose

LC50:

species

Brachydanio rerio (zebra-fish)

remark

calculated

Acute (short-term) toxicity to crustacea 1,9 mg/L

Effective dose

EC50

species

Daphnia magna (Big water flea)

remark

calculated

Sediment toxicity

Effects on soil microorganisms

remark

not determined

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

not applicable

12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations
13.1 Waste treatment methods
Appropriate disposal / Product

Non-contaminated packages must be recycled or disposed of. Packing which cannot be properly cleaned must be disposed of.

Waste code product 070699

hazardous waste No

Waste name

wastes not otherwise specified

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	1903	1903	1903
14.2 Proper Shipping Name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Cocoylaminoxide)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Cocoylaminoxide)	Disinfectant, liquid, corrosive, n.o.s. (Cocoylaminoxide)
14.3 Class(es)	8	8	8
14.4 Packing group	III	III	III
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	not applicable

Additional information - Land transport (ADR/RID)

Hazard label(s)	8
Classification code	C9
Limited quantity (LQ)	5 L
Hazard identification number (Kemler No.)	80
tunnel restriction code	E
transport category	3

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

Limited quantity (LQ)	1
------------------------------	---

SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

See overview table at www.euphrac.eu

**Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008
[CLP]**

See SECTION 2.1 (classification).