

## safety data sheet

### to product

## GREEN&CLEAN IK Clutch HP/CA Sirona

### 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 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 IK

**INDEX no.** UFI: 9410-X0YK-1006-EDH2

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

#### Relevant identified uses

##### Product categories [PC]

disinfectants

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer

METASYS Medizintechnik GmbH

Florianistrasse 3

AUSTRIA-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

Giftnotruf München \*49-(0)89-19240

---

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

##### health hazards

Eye Dam. 1

##### hazard statements for health hazards

H318 Causes serious eye damage.

##### health hazards

STOT SE 3

##### hazard statements for health hazards

H336 May cause drowsiness or dizziness.

##### Physical hazards

Flam. Liq. 1

##### hazard statements for physical hazards

H224 Extremely flammable liquid and vapour.

### 2.2 Label elements

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

#### Hazard pictograms

---



GHS02

GHS05

GHS07

**Signal word**

Danger

**Hazard statements**

**Hazard statements for physical hazards:**

H224 Extremely flammable liquid and vapour.

**hazard statements for health hazards**

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

**Precautionary statements**

**General:**

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

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.

P271 Use only outdoors or in a well-ventilated area.

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

**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.

P310 Immediately call a POISON CENTER/doctor/.

**Storage:**

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/container to .

**Product identifiers**

Propan-2-ol

Propan-1-ol

2-Butanol

**2.3 Other hazards**

No data available

---

**SECTION 3: Composition / information on ingredients**

**3.1/3.2 Substances/Mixtures**

**Hazardous ingredients**

propan-2-ol 25 %

CAS 67-63-0

EC 200-661-7

INDEX 603-117-00-0

Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336

---

propan-1-ol 30 %

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

butan-2-ol 10 %

CAS 78-92-2

EC 201-158-5

INDEX 603-127-00-5

Flam. Liq. 3, H226 / Eye Irrit. 2, H319 / STOT SE 3, H335 / STOT SE 3, H336

---

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Following inhalation

In case of inhaling spray mists, consult a doctor immediately and show him box or label.

#### Following skin contact

After contact with skin, wash immediately with plenty of water and soap.

#### After eye contact

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist. Protect the eye that is not injured.

#### After ingestion

Do not induce vomiting. Rinse mouth immediately and drink large quantities of water. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

#### Self-protection of the first aider

First aid assistant: Pay attention to self-protection!

### 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

---

## SECTION 5: Firefighting measures

### Additional information

Let off heat to prevent increase in pressure. Extinguishing materials should be selected according to the surrounding area. Move undamaged containers from immediate hazard area if it can be done safely. Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen.

### 5.1 Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam. Water spray. Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

### 5.2 Special hazards arising from the substance or mixture

#### Hazardous combustion products

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

### 5.3 Advice for firefighters

#### Special protective equipment for firefighters

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

---

**SECTION 6: Accidental release measures**
**Methods for cleaning up**

Water.

**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**

No special environmental protection measures are necessary.

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

No data available

**6.4 Reference to other sections**

No data available

**SECTION 7: Handling and storage**
**7.1 Precautions for safe handling**
**Protective measures**
**Measures to prevent fire**

Highly flammable. Keep away from sources of ignition - No smoking.

**Measures to prevent aerosol and dust generation**

Use only in well-ventilated areas.

**Environmental precautions**

Refer to chapter 8.

**7.2 Conditions for safe storage, including any incompatibilities**
**Hints on joint storage**
**Storage class**

Druckgaspackungen (Aerosolpackungen).

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

Value 5 - 50 °C

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

Observe instructions for use.

**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	
				Great Britain (UK)
67-63-0	Propan-2-ol	999 mg/m <sup>3</sup> 400 ppm	1250 mg/m <sup>3</sup> 500 ppm	
				Great Britain (UK)

CAS No.	Substance name	LTV	STV	remark
78-92-2	Butan-2-ol	308 mg/m <sup>3</sup> 100 ppm	462 mg/m <sup>3</sup> 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

#### General protection and hygiene measures:

Do not eat, drink, smoke or sneeze at the workplace. Avoid contact with skin, eye and clothing. Wash contaminated clothing prior to re-use.

#### Eye/face protection

##### Suitable eye protection:

Framed glasses.

#### Skin protection

##### Suitable gloves type:

Single-use gloves.

#### 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

compressed gas

#### Colour

colourless

#### Odour

like:

Alcohol

	parameter	Method - source - remark
	pH	not determined
	Melting point/freezing point	not determined
	Initial boiling point and boiling range	not determined
	Flash point (°C)	12 °C
	Evaporation rate	not determined
	flammability	not determined
	Upper explosion limit	17,5 Vol-%
	lower explosion limit	1,7 Vol-%
	Vapour pressure	not determined

---

parameter	Method - source - remark
Vapour density	not determined
Relative density	not determined
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
Decomposition temperature	not determined

---

**9.2 Other information****Solvent content (%)****Value** 65 %

---

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No information available.

**10.2 Chemical stability**

No information available.

**10.3 Possibility of hazardous reactions**

No information available.

**10.4 Conditions to avoid**

In case of warming:

Danger of bursting container.

In case of shock or pressure:

Danger of bursting container.

In cases of exceeding the storage temperature:

Danger of bursting container.

**10.5 Incompatible materials****Materials to avoid**

Gas/vapours, flammable.

**10.6 Hazardous decomposition products**

No information available.

---

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Acute oral toxicity** >5000 mg/kg**Effective dose**

ATEmix calculated:

**Species:**

Rat.

**Exposure time:** 48 h

**SECTION 12: Ecological information**
**12.1 Toxicity**
**Aquatic toxicity**
**Acute Daphnia toxicity** >10 mg/L

**Effective dose:**

EC50:

**Exposure time:** 48 h

**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**

No information available.

**12.6 Other adverse effects**

No information available.

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

Waste disposal according to official state regulations.

**Waste code packaging** 150101

**hazardous waste** No

**Waste name**

paper and cardboard packaging

**Waste code product** 150104

**hazardous waste** No

**Waste name**

metallic packaging

**SECTION 14: Transport information**

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	1950	1950	1950
14.2 Proper Shipping Name	AEROSOLS (n-PROPANOL, ISOPROPANOL)	AEROSOLS (n-PROPANOL, ISOPROPANOL)	Aerosols, flammable (n-PROPANOL, ISOPROPANOL)
14.3 Class(es)	2	2.1	2.1



	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.4 Packing group			
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)**

<b>Hazard label(s)</b>	2.1
<b>Classification code</b>	5F
<b>Limited quantity (LQ)</b>	1 L
<b>tunnel restriction code</b>	D
<b>transport category</b>	2

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

<b>Limited quantity (LQ)</b>	30
------------------------------	----

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU legislation**

**Other regulations (EU)**

**Regulation 96/82/EC for danger control following severe accidents with dangerous substances:**  
 96/82/EG, annex I, part 2: Observe quantity limits according to R-phrases.

**Directive 2004/42/EC on the limitation of emissions of volatile organic compounds**

**Volatile organic compounds (VOC) in percentage by weight: 65 Wt %**

**15.2 Chemical Safety Assessment**

No data available

**SECTION 16: Other information**

**Recommended restrictions of use:**

**Remark:**

Do not use in household. Do not use for inflating balloons.

**Indication of changes**

update Dez 2019: Sebastian Geiger

**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.