

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

1.1 Product identifier

Trade name/designation GREEN&CLEAN HD

INDEX no. baua: Reg.-Nr. N-61826

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

METASYS Medizintechnik GmbH

Florianistrasse 3

Österreich-6063 Rum bei Innsbruck

P.O. Box:

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: *43-512-205420-1130

www.metasys.com

1.4 Emergency telephone number

Giftnotruf München *49-(0)89-19240

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.

health hazards

STOT SE 3

hazard statements for health hazards

H336 May cause drowsiness or dizziness.

Physical hazards

Flam. Liq. 3

hazard statements for physical hazards

H226 Flammable liquid and vapour.

2.2 Label elements

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

Hazard pictograms



GHS02

GHS07

Signal word

Warning

Hazard statements

Hazard statements for physical hazards:

H226 Flammable liquid and vapour.

hazard statements for health hazards

H319 Causes serious eye irritation.

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:

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

Product identifiers

Propan-2-ol

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1/3.2 Mixtures

Hazardous ingredients

propan-2-ol 63 %

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

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.

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

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 (CO₂). Atomized water.

Unsuitable extinguishing media

High power water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Carbon dioxide (CO₂). Carbon monoxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

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

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

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Protective measures****Additional 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 5 - 25 °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
67-63-0	Propan-2-ol	999 mg/m ³ 400 ppm	1250 mg/m ³ 500 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:**

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	7 - 8,6	
Melting point/freezing point		not determined
Initial boiling point and boiling range	>85 °C	
Flash point (°C)	24 °C	Flash point (°C): DIN EN 22719 (10/2003; replaced by DIN EN ISO 2719)
Evaporation rate		not determined
flammability		not determined
Upper explosion limit	12,7 Vol-%	
lower explosion limit	2 Vol-%	
Vapour pressure		not determined
Vapour density		not determined
Density	0,876 g/cm ³	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
Decomposition temperature		not determined
Dynamic viscosity	9 mPa*s	
flow time		not determined
Kinematic viscosity		not determined

9.2 Other safety information
Freezing point <-20 °C

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:

Ignition hazard.

10.5 Incompatible materials

No information available.

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.

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

Appropriate disposal / Product

Waste disposal according to official state regulations.

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

remark
Additional information

Remove according to the 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. (ISOPROPANOL)	ALCOHOLS, N.O.S. (ISOPROPANOL)	Alcohols, n.o.s. (ISOPROPANOL)
14.3 Class(es)	3	3	3
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)	3
Limited quantity (LQ)	5 L
Hazard identification number (Kemler No.)	30
tunnel restriction code	D/E
transport category	3

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

Limited quantity (LQ)	10
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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
Indication of changes

 Sebastian Geiger: Auf Stand EWG1272/2008
 11. 2015/ Meldung als Biozid

06.2016/ Lagertemperatur angepasst.

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.