

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

1.1 Product identifier

Trade name/designation GREEN&CLEAN BR

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

Relevant identified uses

Product categories [PC]

disinfectants

Uses advised against

Do not use for private purposes (household).

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

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

Acute Tox. 4

hazard statements for health hazards

H302 Harmful if swallowed.

health hazards

Acute Tox. 4

hazard statements for health hazards

H332 Harmful if inhaled.

Classification procedure

Harmonised (legal) classification.

2.2 Label elements

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

Hazard pictograms



GHS07

Signal word

Warning

Hazard statements

hazard statements for health hazards

H302 Harmful if swallowed.

H332 Harmful if inhaled.

Precautionary statements

General:

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

P102 Keep out of reach of children.

Prevention:

P264 Wash thoroughly after handling.

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

Disposal:

P501 Dispose of contents/container to .

Product identifiers

Wasserstoffperoxid in Lösung ... %

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1/3.2 Substances/Mixtures

Hazardous ingredients

hydrogen peroxide solution ...% ca.4 %

CAS 7722-84-1

EC 231-765-0

INDEX 008-003-00-9

Ox. Liq. 1, H271 / Acute Tox. 4, H332 / Acute Tox. 4, H302 / Skin Corr.

1A, H314

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

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

Following inhalation

Provide fresh air.

Following skin contact

Subsequently wash again with:

Water.

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.

After ingestion

Do not induce vomiting. 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

The product itself is not combustible. 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

Water. Foam. Extinguishing powder. Water spray.

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Special protective equipment for firefighters

Protective clothing.

SECTION 6: Accidental release measures

Methods for cleaning up

Treat the assimilated material according to the section on waste disposal.

Suitable absorbing material:

Spilled product must never be returned to the original container for recycling. Wipe up with absorbent material (eg. cloth, fleece). Universal binding agent.

Additional information

Eliminate leaks immediately.

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Personal precautions

Provide adequate ventilation. High slip hazard because of leaking or spilled product.

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****Specific requirements or handling rules**

To clean the floor and all object contaminated by this material, use:
Water.

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

No storage class

Further information on storage conditions

Protect against:
heat. frost. UV-radiation/sunlight.

storage temperature

Value 5 - 30 °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
7722-84-1	Hydrogen peroxide	1,4 mg/m ³ 1 ppm	2,8 mg/m ³ 2 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:**

Avoid contact with skin, eye and clothing.

Eye/face protection**Suitable eye protection:**

Framed glasses.

Skin protection**Suitable gloves type:**

Single-use gloves.

Suitable material:

NR (Natural rubber (caoutchouc), Natural latex).

Recommended glove articles

DIN-/EN-Norms:

DIN EN 374

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

dark blue

Odour

odourless

		parameter	Method - source - remark
pH	3	Temperature 20 °C	
pH			acidic
Melting point/freezing point			not determined
Initial boiling point and boiling range	=100 °C		
Flash point (°C)			not determined
Evaporation rate			not determined
flammability			not determined
Upper explosion limit			not determined
lower explosion limit			not determined
Vapour pressure	20 mbar		
Vapour density			not determined
Relative density	1 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	1 mPa*s		Newton.
flow time			not determined
Kinematic viscosity			not determined

9.2 Other information

Freezing point =0 °C

Solvent content (%)

Value 0 %

Solid content (%)

Value <0,1 %

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

No information available.

10.5 Incompatible materials

Materials to avoid

Reducing agents.

Reacts with :

Alkalis (alkalis).

10.6 Hazardous decomposition products

Oxygen.

Additional information

Decomposition possible after prolonged exposure to light.

SECTION 11: Toxicological information

General remarks

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity >5000 mg/kg

Effective dose

ATEmix calculated:

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute Daphnia toxicity >10 mg/L

Effective dose:

EC50:

species:

Daphnia magna

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential
Assessment/classification

Does not accumulate in organisms.

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

Cleaned containers may be recycled.

Waste code product 070600

hazardous waste No

Waste name

wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	not applicable	not applicable	not applicable
14.2 Proper Shipping Name	not applicable	not applicable	not applicable
14.3 Class(es)	not applicable	not applicable	not applicable
14.4 Packing group	not applicable	not applicable	not applicable
14.5 ENVIRONMENTALLY HAZARDOUS	not applicable	not applicable	not applicable
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
All transport carriers

Not a hazardous material with respect to transportation regulations.

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:

Not subject to regulation 96/82/EC.

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

Volatile organic compounds (VOC) in percentage by weight: 0 Wt %

15.2 Chemical Safety Assessment

No data available

SECTION 16: Other information

Recommended restrictions of use:

Remark:

refer to chapter 1.

Indication of changes

Sebastian Geiger: Auf Stand EWG1272/2008

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.