

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

1.1 Product identifier

Trade name/designation XO WATER CLEAN WITH LIMESCALE INHIBITOR

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

Supplier (manufacturer/importer/only representative/downstream user/distributor)

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

Emergency telephone number: Giftnotruf München *49-(0)89-19240

www.metasys.com

1.4 Emergency telephone number

Emergency telephone number

Giftnotruf München *49-(0)89-19240

SECTION 2: Hazards identification

Hazards description

Hazard designation:

The preparation is not dangerous in the sense of Directive 1999/45/EC. This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [GHS].

2.1 Classification of the substance or mixture

No data available

2.2 Label elements

No data available

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1/3.2 Preparation related information

Hazardous ingredients

hydrogen peroxide solution ...%	2,35 %
CAS 7722-84-1	
EC 231-765-0	
INDEX 008-003-00-9	
R5; O R8; C R35; Xn R20/22	
Ox. Liq. 1, H271 / Acute Tox. 4, H302 / Acute Tox. 4, H332 / Skin Corr. 1A, H314	
silver-nitrate	<0,1 %
CAS 7761-88-8	
EC 231-853-9	
INDEX 047-001-00-2	
O R8; C R34; N R50-53	
Ox. Sol. 2, H272 / Skin Corr. 1B, H314 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410	

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

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

Keine Lagerklasse.

Further information on storage conditions

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

storage temperature: 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
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

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

Framed glasses.

Skin protection
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

colourless

Odour

characteristic

	parameter	Method - source - remark
pH	4 at °C: 20 °C	
Melting point/freezing point		No data available
Initial boiling point and boiling range	100 °C	
Flash point (°C)		No data available

parameter	Method - source - remark
Evaporation rate	No data available
Flammable solids	No data available
Flammable aerosols	No data available
Upper explosion limit (Vol-%)	No data available
Lower explosion limit (Vol-%)	No data available
Vapour pressure	20 mbar
Density	1 g/cm ³ at °C: 20 °C
Vapour density	No data available
Fat solubility (g/L)	No data available
Water solubility (g/L)	complete miscible
Soluble (g/L) in	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Explosives	No data available
Oxidising gases	No data available
Oxidising liquids	No data available
Oxidising solids	No data available
Dynamic viscosity	1 mPa*s
flow time	No data available
Kinematic viscosity	No data available

9.2 Other safety information

Freezing point 0 °C

Solid content (%) <0,1 %

Solvent content (%) 0 %

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data 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

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Acute toxicity, oral >5000 mg/kg

Effective dose

ATEmix calculated:

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Assessment/classification

Does not accumulate in organisms.

12.4 Mobility in soil

No data 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 data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Appropriate disposal / Product

Appropriate disposal/Product:

Waste disposal according to official state regulations.

Appropriate disposal / Package**Contaminated packaging:**

Cleaned containers may be recycled.

Waste code product 070600**Waste requires special monitoring:** Yes.**Waste name**

Abfälle aus HZVA von Fetten, Schmierstoffen, Seifen, Waschmitteln, Desinfektionsmitteln und Körperpflegemitteln

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			
14.3 Class(es)			
14.4 Packing group			
14.5 ENVIRONMENTALLY HAZARDOUS			
14.6 Special precautions for user			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			

Additional information

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)****Directive 96/82/EC for danger control following severe accidents with dangerous substances:****Regulation 96/82/EC for danger control following severe accidents with dangerous substances:**

Not subject to regulation 96/82/EC.

National regulations**Germany****Störfallverordnung****remark**

Unterliegt nicht der StörfallV.

Water hazard class (WGK)

schwach wassergefährdend (WGK 1)

15.2 Chemical Safety Assessment

No data available

SECTION 16: Other information

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.