

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Key-Ring substance

Print date: 04.06.2014

Product code: 1574

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

1.1. Product identifier

Key-Ring substance

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

Use of the substance/mixture

Urinal Tablet

1.3. Details of the supplier of the safety data sheet

Company name:	Enswico AG	
Street:	Gewerbestrasse 20	
Place:	CH-8132 Egg bei Zürich	
Telephone:	+41 44 515 04 60	Telefax: +41 44 515 04 61
e-mail:	info@enswico.com	
Internet:	www.enswico.com	
Responsible Department:	Verkauf	

1.4. Emergency telephone number:

TOX-Zentrum Zürich 0041-145

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Indications of danger: Xi - Irritant
 R phrases:
 May cause sensitisation by skin contact.
 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

GHS classification

Hazard categories:
 Skin corrosion/irritation: Skin Irrit. 2
 Serious eye damage/eye irritation: Eye Irrit. 2
 Respiratory/skin sensitization: Skin Sens. 1
 Hazardous to the aquatic environment: Aquatic Chronic 3
 Hazard Statements:
 Causes skin irritation.
 May cause an allergic skin reaction.
 Causes serious eye irritation.
 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazardous components which must be listed on the label

Turpentine, oil

Signal word:	Warning
Pictograms:	GHS07



Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

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H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P280 Wear protective gloves.

2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
232-350-7	Turpentine, oil	1 - < 5 %
8006-64-2	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R10-20/21/22-65-36/38-43-51-53	
650-002-00-6	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Asp. Tox. 1, Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H226 H332 H312 H302 H304 H319 H315 H317 H411	
264-151-6	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	1 - < 5 %
63449-41-2	C - Corrosive, Xn - Harmful, N - Dangerous for the environment R21/22-34-50	
612-140-00-5	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1; H312 H302 H314 H400	
209-578-0	4-isopropylidene-1-methylcyclohexene	< 1 %
586-62-9	Xn - Harmful, N - Dangerous for the environment R51-53-65	
	Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H304 H411	
201-291-9	alpha-Pinene (2,6,6-TRIMETHYL-BICYCLO(3,1,1,)HEPT-2-ENE)	< 1 %
80-56-8	Xn - Harmful, N - Dangerous for the environment R10-50-53-65	
	Flam. Liq. 3, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H317 H304 H400 H410	
205-341-0	dipentene, limonene	< 1 %
138-86-3	Xi - Irritant, N - Dangerous for the environment R10-43-38-50-53	
601-029-00-7	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H400 H410	
248-469-2	tridecan-1-ol	< 1 %
27458-92-0	Xi - Irritant, N - Dangerous for the environment R38-50-53	
	Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1; H315 H400 H410	

Full text of R and H phrases: see Section 16.

Further Information

Labelling for contents according to regulation (EC) No. 648/2004:

> 30% non-ionic surfactants. < 5% cationic surfactants. Additional information: perfumes (d-Limonen)

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Avoid contact with skin.

After contact with skin

After contact with skin, wash immediately with: Water and soap. In case of skin irritation, seek medical

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treatment.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.
In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Do NOT induce vomiting.
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

4.2. Most important symptoms and effects, both acute and delayed

No known symptoms to date.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Foam. Carbon dioxide (CO₂).
Extinguishing powder. Water spray.

Unsuitable extinguishing media

No information available.

5.2. Special hazards arising from the substance or mixture

At high temperatures may produce hazardous decomposition products such as: carbon dioxide, carbon monoxide, oxides of nitrogen.

5.3. Advice for firefighters

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

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Suppress gases/vapours/mists with water spray jet.

SECTION 6: Accidental release measures

6.3. Methods and material for containment and cleaning up

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Information for safe handling see chapter 7.
Information for personal protective equipment see Chapter 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep only in the original container.

Advice on protection against fire and explosion

No special precautionary measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store only in original container.

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

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Further information on storage conditions

Protect against: frost.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
8006-64-2	Turpentine	100	566		TWA (8 h)	WEL
		150	850		STEL (15 min)	WEL

Additional advice on limit values

Observe in addition any national regulations!

8.2. Exposure controls

Protective and hygiene measures

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and after work.
 Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream.
 Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
 Keep away from: food, feeding stuff

Eye/face protection

Eye protection: not applicable.

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. The instructions and details of the protective glove manufacturer for use, storage, maintenance and replacement must be followed.
 Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 374
 Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

The type of personal protection equipment has to be chosen based on the concentration and amount of the dangerous substance at the workplace. Body protection: not applicable.

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values With correct and proper use, and under normal conditions, breathing protection is not required.

Environmental exposure controls

Do not allow uncontrolled leakage of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: solid
 Colour: green
 Odour: perfume

Test method

pH-Value (at 20 °C):

8

Changes in the physical state

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Melting point: Don't decide
 Initial boiling point and boiling range: > 100 °C
 Sublimation point: Don't decide
 Softening point: Don't decide
 Flash point: Not applicable.

Flammability

Solid: Don't decide
 Gas: Don't decide

Explosive properties

not Explosive.

Lower explosion limits: Don't decide
 Upper explosion limits: Don't decide
 Ignition temperature: Don't decide

Oxidizing properties

not oxidizing.

Vapour pressure: Don't decide
 Vapour pressure: Don't decide

9.2. Other information

non-flammable

SECTION 10: Stability and reactivity

10.2. Chemical stability

No decomposition at storage as agreed and handling.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

Acute toxicity

There are no data available on the preparation/mixture itself.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
8006-64-2	Turpentine, oil				
	oral	ATE	500 mg/kg		
	dermal	ATE	1100 mg/kg		
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		
63449-41-2	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides				
	oral	ATE	500 mg/kg		
	dermal	ATE	1100 mg/kg		

Irritation and corrosivity

There are no data available on the preparation/mixture itself.

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Sensitising effects

To a repeated or longer persisting contact it can come to a sensitization .

Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

SECTION 12: Ecological information

12.1. Toxicity

According to the present state of knowledge negative ecological effects are not expected.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
63449-41-2	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides					
	Acute fish toxicity	LC50	1,7 mg/l	96 h	Regenbogenforelle	OECD 201
	Acute algae toxicity	ErC50	0,06 mg/l	96 h	Selenastrum capricornutum	OECD 201
	Acute crustacea toxicity	EC50	0,03 mg/l	48 h	Daphnie	OECD 302

12.2. Persistence and degradability

The Tenside used in the mixture correspond to the Detergenzienverordnung (no. 648/2004) and are degradable completely aerobically. The product doesn't contribute to the AOX value of the water.

12.4. Mobility in soil

No data available

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Contaminated packaging

Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

Air transport (ICAO)

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information

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

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National regulatory information

Water contaminating class (D): 2 - water contaminating

SECTION 16: Other information**Full text of R phrases referred to under Sections 2 and 3**

10	Flammable.
20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
21/22	Harmful in contact with skin and if swallowed.
34	Causes burns.
36/38	Irritating to eyes and skin.
38	Irritating to skin.
43	May cause sensitisation by skin contact.
50	Very toxic to aquatic organisms.
51	Toxic to aquatic organisms.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.

Full text of H statements referred to under Sections 2 and 3

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The processing and application notes are on the technical leaflets to the products. The details are based on today's stand of our knowledge, they don't represent any assurance of product qualities, however, and don't justify any contractual facts of the case.

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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)