

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Key-Ring substance**

Revision date: 30.05.2017

Product code: 100205

Page 1 of 7

**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:	Falcon Waterfree Europe GmbH	
Street:	Gewerbestrasse 20	
Place:	CH-8132 Egg bei Zürich	
Telephone:	+41 44 515 04 71	Telefax: +41 44 515 04 61
e-mail:	infoch@falconwaterfree.com	
Internet:	www.FalconWaterfree.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****Regulation (EC) No. 1272/2008**

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

Turpentine, oil

alpha-Pinene (2,6,6-TRIMETHYL-BICYCLO(3,1,1,)HEPT-2-ENE)

dipentene, limonene

**Signal word:** Warning**Pictograms:****Hazard statements**

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P280	Wear protective gloves.
------	-------------------------

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Key-Ring substance**

Revision date: 30.05.2017

Product code: 100205

Page 2 of 7

**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**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
8006-64-2	Turpentine, oil			1 - < 5 %
	232-350-7	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			
68424-85-1	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides			1 - < 5 %
	270-325-2			
	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1; H290 H302 H314 H318 H400 H410			
80-56-8	alpha-Pinene (2,6,6-TRIMETHYL-BICYCLO(3,1,1,)HEPT-2-ENE)			< 1 %
	201-291-9			
	Flam. Liq. 3, Skin Sens. 1, Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H317 H304 H400 H410			
138-86-3	dipentene, limonene			< 1 %
	205-341-0	601-029-00-7		
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H400 H410			
27458-92-0	tridecan-1-ol			< 1 %
	248-469-2			
	Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1; H315 H400 H410			

Full text of H and EUH statements: see section 16.

**Further Information**

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

&gt; 30% nonionic surfactants. &lt; 5% cationic surfactants. Further information: perfumes (d-Limonen)

**SECTION 4: First aid measures**
**4.1. Description of first aid measures**
**General information**

Avoid contact with skin.

**After inhalation**

Remove person to fresh air and keep comfortable for breathing.

**After contact with skin**

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Key-Ring substance

Revision date: 30.05.2017

Product code: 100205

Page 3 of 7

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 (CO<sub>2</sub>). 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.

##### **Further information on storage conditions**

Protect against: frost.

### SECTION 8: Exposure controls/personal protection

#### **8.1. Control parameters**

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Key-Ring substance

Revision date: 30.05.2017

Product code: 100205

Page 4 of 7

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	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 required.

##### 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 required.

##### 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

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Key-Ring substance

Revision date: 30.05.2017

Product code: 100205

Page 5 of 7

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

The product is chemically stable under recommended conditions of storage, use and temperature.

#### 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 route	Dose	Species	Source	Method
8006-64-2	Turpentine, oil				
	oral	ATE mg/kg	500		
	dermal	ATE mg/kg	1100		
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		
68424-85-1	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides				
	oral	LD50 mg/kg	795		

#### Irritation and corrosivity

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

#### Sensitising effects

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Key-Ring substance

Revision date: 30.05.2017

Product code: 100205

Page 6 of 7

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### 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	Dose	[h]   [d]	Species	Source	Method
68424-85-1	Quaternary ammonium compounds, benzyl-C12-C16-alkyldimethyl, chlorides					
	Acute fish toxicity	LC50 mg/l	0,85	96 h		
	Acute crustacea toxicity	EC50 mg/l	0,026	48 h	OECD 201	

### 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.

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

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

### 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-TI/IATA-DGR)

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Key-Ring substance

Revision date: 30.05.2017

Product code: 100205

Page 7 of 7

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

not applicable

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

### SECTION 15: Regulatory information

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

##### National regulatory information

Water contaminating class (D): 2 - water contaminating

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 2,4,10,11,12,14.

#### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

#### Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
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.
H318	Causes serious eye damage.
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.)*