



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## FloraQUICK

Print date: 14.04.2014

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

#### 1.1. Product identifier

Name: FloraQUICK

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

##### Use of the substance/mixture

Disinfectant

#### 1.3. Details of the supplier of the safety data sheet

Company name: FAVODENT Karl Huber GmbH  
Street: Greschbachstr. 7  
Place: D-76229 Karlsruhe  
Telephone: +49 (0) 721 626 86-0  
Telefax: +49 (0) 721 626 86-66  
e-mail: info@favodent.com  
Contact person: Apoth. Wolf Telephone: +49 (0) 721 626 86-0  
e-mail: info@favodent.com  
Internet: www.favodent.com  
Responsible Department: Zentrale

#### 1.4. Emergency telephone number:

+49 (0) 721 626 86-0

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Indications of danger: Xi - Irritant  
R phrases:  
Flammable.  
Risk of serious damage to eyes.  
Vapours may cause drowsiness and dizziness.

##### GHS classification

Hazard categories:  
Flammable liquid: Flam. Liq. 3  
Serious eye damage/eye irritation: Eye Dam. 1  
Specific target organ toxicity - single exposure: STOT SE 3  
Hazard Statements:  
Flammable liquid and vapour.  
Causes serious eye damage.  
May cause drowsiness or dizziness.

#### 2.2. Label elements

##### Hazardous components which must be listed on the label

propan-1-ol; n-propanol

Signal word: Danger  
Pictograms: GHS02-GHS05-GHS07





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### Hazard statements

- H226 Flammable liquid and vapour.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.

### Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of waste according to applicable legislation.

### 2.3. Other hazards

PBT: not applicable. vPvB: not applicable

## 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		
200-746-9	propan-1-ol; n-propanol	25-50 %
71-23-8	F - Highly flammable, Xi - Irritant R11-41-67	
603-003-00-0	Flam. Liq. 2, Eye Dam. 1, STOT SE 3; H225 H318 H336	
200-578-6	ethanol, ethyl alcohol	10-25 %
64-17-5	F - Highly flammable R11	
603-002-00-5	Flam. Liq. 2; H225	

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Change contaminated, saturated clothing. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

In case of inhalation of product / fumes, affected person should be moved into fresh air and kept still. Call a physician immediately.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Seek medical advice immediately.

#### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

#### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.



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Do NOT induce vomiting.

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

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

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

First Aid, decontamination, treatment of symptoms.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). alcohol resistant foam. Water spray jet

#### **Unsuitable extinguishing media**

Full water jet

### **5.2. Special hazards arising from the substance or mixture**

No further Information available.

### **5.3. Advice for firefighters**

Special protective equipment for firefighters: Protective clothing. 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. Residues of fire and contaminated water have to be disposed according to the local regulations.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

See protective measures under point 7 and 8. Provide adequate ventilation. Personal protection equipment: see section 8 Keep away from unprotected people. Do not touch or tread spilled product.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Cover drains. Spilled product must not leak into the ground. Release of big amounts may be harmful to the environment. In case of entry into waterways, soil or drains, inform the responsible authorities.

### **6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Use only noncombustible absorbents. Treat the recovered material as prescribed in the section on waste disposal.

### **6.4. Reference to other sections**

See protective measures under point 7 and 8.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

See chapter 8. Wear personal protection equipment (see chapter 8). Keep container tightly closed.

#### **Advice on protection against fire and explosion**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

#### **Further information on handling**

Empty containers may contain hazardous residues of the product.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.



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### Advice on storage compatibility

Keep away from:  
Food and feedingstuffs  
oxidizing agents

### Further information on storage conditions

Keep away from:  
Frost  
Heat  
Moisture

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
71-23-8	Propan-1-ol	200	500		TWA (8 h)	WEL
		250	625		STEL (15 min)	WEL

### 8.2. Exposure controls

#### Appropriate engineering controls

Not necessary

#### Protective and hygiene measures

Only wear fitting, comfortable and clean protective clothing.  
Avoid contact with skin, eyes and clothes.  
Immediately remove any contaminated clothing, shoes or stockings.  
Wash hands and face before breaks and after work and take a shower if necessary.

#### Eye/face protection

Suitable eye protection:  
Tightly sealed goggles.

#### Hand protection

Suitable gloves type:  
Butyl caoutchouc (butyl rubber) DIN EN 374  
NR (natural rubber, natural latex)

#### Skin protection

Protective clothing.

#### Respiratory protection

Not necessary

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: liquid  
Colour: clear  
Odour: like alcohol

#### Test method

pH-Value (at 20 °C): <10

#### Changes in the physical state



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Initial boiling point and boiling range: 78 °C  
Flash point: 25 °C

#### Explosive properties

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Lower explosion limits: 2,1 vol. %  
Upper explosion limits: 15 vol. %  
Ignition temperature: 360 °C  
Vapour pressure: 59 hPa  
(at 20 °C)  
Density (at 20 °C): 0,88 g/cm<sup>3</sup>  
Water solubility: completely miscible  
Partition coefficient: Not determined.  
Viscosity / dynamic: Not determined.  
Viscosity / kinematic: Not determined.  
Vapour density: Not determined.  
Evaporation rate: Not determined.  
Solvent content: Organic solvents: 61,0 %  
Water: <39,0 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

### 10.2. Chemical stability

No dangerous reactions by handling and stock-keeping according to the guidelines.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

No further Information available.

### 10.5. Incompatible materials

No further Information available.

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
64-17-5	ethanol, ethyl alcohol	oral	LD50	6200 mg/kg	Rat	IUCLID
		inhalative (4 h) vapour	LC50	95,6 mg/l	Rat	RTECS

## SECTION 12: Ecological information

### 12.1. Toxicity



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CAS No	Chemical name	Method	Dose	[h]   [d]	Species	Source
64-17-5	ethanol, ethyl alcohol					
	Acute crustacea toxicity	EC50 mg/l	9268 - 14221	48 h	Daphnia magna	IUCLID

### 12.2. Persistence and degradability

No further Information available.

### 12.3. Bioaccumulative potential

No further Information available.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,31

### 12.4. Mobility in soil

No further Information available.

### 12.5. Results of PBT and vPvB assessment

PBT: not applicable. vPvB: not applicable

### 12.6. Other adverse effects

No further Information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Dispose of waste according to applicable legislation.  
Containers emptied of residues have to be recycled. Containers emptied of residues may still contain hazardous material. Containers not emptied should be removed harmlessly according to the actual disposal guidelines.

#### Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

#### Waste disposal number of used product

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

## SECTION 14: Transport information

### Land transport (ADR/RID)

<b>14.1. UN number:</b>	UN 1987
<b>14.2. UN proper shipping name:</b>	ALCOHOLS, N.O.S. (propane-1-ol, ethanol)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3
Classification code:	F1
Special Provisions:	274 601
Limited quantity:	5 L
Transport category:	3
Hazard No:	30
Tunnel restriction code:	D/E



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### Other applicable information (land transport)

E1  
E2

### Inland waterways transport (ADN)

**14.1. UN number:** UN 1987  
**14.2. UN proper shipping name:** ALCOHOLS, N.O.S. (propane-1-ol, ethanol)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3  
Classification code: F1  
Special Provisions: 274 601  
Limited quantity: 5 L

### Other applicable information (inland waterways transport)

E2  
E1

### Marine transport (IMDG)

**14.1. UN number:** UN 1987  
**14.2. UN proper shipping name:** ALCOHOLS, N.O.S. (propane-1-ol, ethanol)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3  
Special Provisions: 223, 274  
Limited quantity: 5 L  
EmS: F-E, S-D

### Other applicable information (marine transport)

E1  
E2

### Air transport (ICAO)

**14.1. UN number:** UN 1987  
**14.2. UN proper shipping name:** ALCOHOLS, N.O.S. (propane-1-ol, ethanol)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3  
Special Provisions: A3 A180  
Limited quantity Passenger: 10 L  
IATA-packing instructions - Passenger: 355  
IATA-max. quantity - Passenger: 60 L  
IATA-packing instructions - Cargo: 366  
IATA-max. quantity - Cargo: 220 L

### Other applicable information (air transport)

E1  
Passenger-LQ: Y344  
E2  
Passenger-LQ: Y340  
Passenger-LQ: Y342  
Passenger-LQ: Y841

### 14.5. Environmental hazards



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ENVIRONMENTALLY HAZARDOUS: no

#### 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): 1 - slightly water contaminating

##### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

#### SECTION 16: Other information

##### Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent

##### Full text of R phrases referred to under Sections 2 and 3

10 Flammable.  
11 Highly flammable.  
41 Risk of serious damage to eyes.  
67 Vapours may cause drowsiness and dizziness.

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

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.

##### Further Information

The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product. It is not to be considered as a guarantee of the product's properties.

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