



Safety Data Sheet

according to Regulation (EC) No 1907/2006

FloraQUICKfresh Disinfection Wipes

Revision date: 26.06.2018

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

1.1. Product identifier

FloraQUICKfresh Disinfection Wipes

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

Use of the substance/mixture

Disinfectant

Uses advised against

No information available.

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

Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 3

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Flammable liquid and vapour.

Causes serious eye damage.

2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Danger

Pictograms:



Hazard statements

H228 Flammable solid.

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.

P404 Store in a closed container.

2.3. Other hazards

PBT: not applicable. vPvB: not applicable



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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Index No	REACH No	Quantity
	EC No			
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
71-23-8	propan-1-ol; n-propanol			2,5-10%
	200-746-9	603-003-00-0	01-2119486761-29	
	Flam. Liq. 2, Eye Dam. 1, STOT SE 3; H225 H318 H336			

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Provide fresh air.

After inhalation

Remove casualty to fresh air and keep warm and at rest.
Call a doctor if you feel unwell.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).
Call a doctor if you feel unwell.
Do NOT induce vomiting.

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

No information available.

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

Carbon dioxide (CO₂). alcohol resistant foam., Dry extinguishing powder. 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



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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.
Disposal: see section 13

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.
Personal protection equipment: see section 8
Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

See section 8.
Wear personal protection equipment (refer to section 8).
Keep away from sources of ignition - No smoking.

Advice on protection against fire and explosion

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
Take action to prevent static discharges.

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.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

7.3. Specific end use(s)

Restricted to professional users.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	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



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DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
64-17-5	ethanol, ethyl alcohol			
Worker DNEL, long-term		inhalation	systemic	950 mg/m ³
Worker DNEL, acute		inhalation	local	1900 mg/m ³
Worker DNEL, long-term		dermal	systemic	343 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	114 mg/m ³
Consumer DNEL, acute		inhalation	local	950 mg/m ³
Consumer DNEL, long-term		dermal	systemic	206 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	87 mg/kg bw/day
71-23-8	propan-1-ol; n-propanol			
Worker DNEL, long-term		inhalation	systemic	268 mg/m ³
Worker DNEL, acute		inhalation	systemic	1723 mg/m ³
Worker DNEL, long-term		dermal	systemic	136 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	80 mg/m ³
Consumer DNEL, acute		inhalation	systemic	1036 mg/m ³
Consumer DNEL, long-term		dermal	systemic	81 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	61 mg/kg bw/day

PNEC values

CAS No	Substance	Value
64-17-5	ethanol, ethyl alcohol	
Freshwater		0,96 mg/l
Freshwater (intermittent releases)		2,75 mg/l
Marine water		0,79 mg/l
Freshwater sediment		3,6 mg/kg
Marine sediment		2,9 mg/kg
Secondary poisoning		380 mg/kg
Micro-organisms in sewage treatment plants (STP)		580 mg/l
Soil		0,63 mg/kg
71-23-8	propan-1-ol; n-propanol	
Freshwater		10 mg/l
Freshwater (intermittent releases)		10 mg/l
Marine water		1 mg/l
Freshwater sediment		22,8 mg/kg
Marine sediment		2,28 mg/kg
Micro-organisms in sewage treatment plants (STP)		96 mg/l
Soil		2,2 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.



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Take precautionary measures against static discharges.

Protective and hygiene measures

Only wear fitting, comfortable and clean protective clothing.

Avoid contact with skin, eyes and clothes.

Take off contaminated clothing and wash it before reuse.

Wash hands and face before breaks and after work and take a shower if necessary.

Eye/face protection

Suitable eye protection:

Eye glasses with side protection

goggles

Hand protection

Tested protective gloves must be worn: DIN EN 374

NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

Thickness of the glove material $\geq 0,5$ mm

Breakthrough times and swelling properties of the material must be taken into consideration.

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.

Observe the wear time limits as specified by the manufacturer.

Skin protection

Wear suitable protective clothing, gloves and eye/face protection.

Respiratory protection

Usually no personal respirative protection necessary.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Filtering device (full mask or mouthpiece) with filter: A-P2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid (Active agent)
Colour:	clear
Odour:	Alcohol
pH-Value (at 20 °C):	<10

Changes in the physical state

Melting point:	not determined
Initial boiling point and boiling range:	Active agent: 78 °C
Flash point:	Active agent: 25 °C
Sustaining combustion:	No data available

Flammability

Solid:	not determined
Gas:	not determined

Explosive properties

Vapours can form explosive mixtures with air.

Lower explosion limits:	3,5 vol. %
Upper explosion limits:	15 vol. %
Ignition temperature:	425 °C

Auto-ignition temperature

Solid:	not determined
Gas:	not determined



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Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: 59 hPa
(at 20 °C)

Density (at 20 °C): 0,91 g/cm³

Water solubility: very soluble

Solubility in other solvents

No information available.

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Vapour density: not determined

Evaporation rate: not determined

Solvent content: <52%

9.2. Other information

Solid content: not determined

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Does not decompose when used for intended uses.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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



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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
71-23-8	propan-1-ol; n-propanol				
	oral	LD50 mg/kg	ca. 8000	Rat	Study report (1975) OECD Guideline 401
	dermal	LD50 mg/kg	4032	Rabbit	Arch. ind. hyg. occupat. med. 10, 61-68. OECD Guideline 402

Irritation and corrosivity

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

Sensitising effects

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

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.

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.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
71-23-8	propan-1-ol; n-propanol					
	Acute fish toxicity	LC50 mg/l	4555	96 h	Pimephales promelas	Vol. 1, pp 3, 5-16, 65-68. Center for La OECD Guideline 203
	Acute crustacea toxicity	EC50 mg/l	3644	48 h	Daphnia magna	Water Res 23: 495-499 (1989) other: DIN 38412 Part 11, Daphnia- Short
	Crustacea toxicity	NOEC mg/l	> 100	21 d	Daphnia magna	Study report (1997) OECD Guideline 211

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
71-23-8	propan-1-ol; n-propanol	1,6

BCF

CAS No	Chemical name	BCF	Species	Source
71-23-8	propan-1-ol; n-propanol	0,88		Unpublished calculat

12.4. Mobility in soil

No information 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.



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12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Dispose of waste according to applicable legislation.

Contaminated packaging

Completely emptied packages can be recycled.

Dispose of waste according to applicable legislation.

SECTION 14: Transport information

Land transport (ADR/RID)

<u>14.1. UN number:</u>	UN 3175
<u>14.2. UN proper shipping name:</u>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ethanol, ethyl alcohol, propan-1-ol; n-propanol)
<u>14.3. Transport hazard class(es):</u>	4.1
<u>14.4. Packing group:</u>	II
Hazard label:	4.1
Classification code:	F1
Special Provisions:	216 274 601
Limited quantity:	1 kg
Excepted quantity:	E2
Transport category:	2
Hazard No:	40
Tunnel restriction code:	E

Inland waterways transport (ADN)

<u>14.1. UN number:</u>	UN 3175
<u>14.2. UN proper shipping name:</u>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ethanol, ethyl alcohol, propan-1-ol; n-propanol)
<u>14.3. Transport hazard class(es):</u>	4.1
<u>14.4. Packing group:</u>	II
Hazard label:	4.1
Classification code:	F1
Special Provisions:	216 274 601 800
Limited quantity:	1 kg
Excepted quantity:	E2

Marine transport (IMDG)

<u>14.1. UN number:</u>	UN 3175
<u>14.2. UN proper shipping name:</u>	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ethanol, ethyl alcohol, propan-1-ol; n-propanol)
<u>14.3. Transport hazard class(es):</u>	4.1
<u>14.4. Packing group:</u>	II
Hazard label:	4.1
Special Provisions:	216, 274
Limited quantity:	1 kg
Excepted quantity:	E2



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EmS: F-A, S-I

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3175
14.2. UN proper shipping name: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ethanol, ethyl alcohol, propan-1-ol; n-propanol)
14.3. Transport hazard class(es): 4.1
14.4. Packing group: II
Hazard label: 4.1
Special Provisions: A46
Limited quantity Passenger: 5 kg
Passenger LQ: Y441
Excepted quantity: E2
IATA-packing instructions - Passenger: 445
IATA-max. quantity - Passenger: 15 kg
IATA-packing instructions - Cargo: 448
IATA-max. quantity - Cargo: 50 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No information available.

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

No information available.

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

For the following substances of this mixture a chemical safety assessment has been carried out:
ethanol, ethyl alcohol
propan-1-ol; n-propanol

SECTION 16: Other information

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer
(Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
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)
CAS: Chemical Abstracts Service (division of the American Chemical Society)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CLP: Regulation on Classification, Labelling and Packaging of Substances and Mixtures,
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
EC50: Effectice concentration, 50 percent



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DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Eye Dam. 1; H318	Calculation method

Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.
H228 Flammable solid.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.

Further Information

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.)