

Safety Data Sheet

according to 1907/2006/EC, Article 31


Printing date 14.12.2010

Revision: 14.12.2010

1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** *FloraQUICK Disinfection Wipes*
- **Application of the substance / the preparation** *Disinfectant*
- **Manufacturer/Supplier:**
*Favodent
 Karl Huber GmbH
 Greschbachstr. 17
 76229 Karlsruhe, Germany*
- **Further information obtainable from:** *Frau Apoth. Wolf*
- **Information in case of emergency:** *Tel.: 0179/5146888*








2 Hazards identification

- **Hazard description:** *Not applicable.*
 - **Information concerning particular hazards for human and environment:**
*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
 R 10 Flammable.*
 - **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
 - **GHS label elements**
- 
Danger
- 2.7/1 - Flammable solid.
- **Prevention:**
*Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Ground/bond container and receiving equipment.
 Use explosion-proof electrical/ventilating/lighting/ equipment.
 Wear protective gloves/protective clothing/eye protection/face protection.*
 - **Response:**
In case of fire: Use for extinction: CO2, powder or water spray.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** *Mixture of substances listed below with nonhazardous additions.*

· **Dangerous components:**

CAS: 64-17-5	ethanol	 F; R 11 Danger:  2.6/2	25-50%
EINECS: 200-578-6			
CAS: 71-23-8	propan-1-ol	 Xi,  F; R 11-41-67 Danger:  2.6/2;  3.3/1 Warning:  3.8/3	2.5-10%
EINECS: 200-746-9			

- **Additional information:** *For the wording of the listed risk phrases refer to section 16.*

4 First aid measures

- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
- **After skin contact:** *Generally the product does not irritate the skin.*
- **After eye contact:** *Rinse opened eye for several minutes under running water.*

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· **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Keep receptacles tightly sealed.
Use only in well ventilated areas.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store receptacle in a well ventilated area.
Store in cool, dry conditions in well sealed receptacles.
Do not store at temperatures exceeding 40°C

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

64-17-5 ethanol

MAK Short term value	1920 mg/m ³ , 1000 ppm
MAK Long term value	960 mg/m ³ , 500 ppm

71-23-8 propan-1-ol

MAK Short-term value	1000 mg/m ³ , 400 ppm
MAK Long-term value	500 mg/m ³ , 200 ppm

- **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be

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checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Butyl rubber, BR

- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **General Information**

Form:	Liquid on inert carrier material
Colour:	White
Odour:	Alcohol-like

- **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 78°C

- **Flash point:** 25°C

- **Flammability (solid, gaseous):** Highly flammable.

- **Ignition temperature:** 425°C

- **Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

Lower: 3.5 Vol %

Upper: 15.0 Vol %

- **Density at 20°C:** 0.91 g/cm³

- **Solubility in / Miscibility with water:**

Soluble.

- **pH-value at 20°C:** <10

- **Solvent content:**

Organic solvents: 51 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

- **Dangerous reactions** No dangerous reactions known.

- **Dangerous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 99	wastes not otherwise specified

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** 4.1 Flammable solids, self-reactive substances and solid desensitised explosives.
- **Danger code (Kemler):** 40
- **UN-Number:** 3175
- **Packaging group:** II
- **Hazard label:** 4.1
- **Description of goods:** 3175 SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), PROPANOL (PROPYL ALCOHOL, NORMAL))

- **Maritime transport IMDG:**

- **IMDG Class:** 4.1
- **UN Number:** 3175
- **EMS Number:** F-A,S-I
- **Marine pollutant:** No
- **Proper shipping name:** SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), PROPANOL (PROPYL ALCOHOL, NORMAL))

- **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** 4.1
- **UN/ID Number:** 3175
- **Proper shipping name:** SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (ETHANOL, PROPANOL (PROPYL ALCOHOL, NORMAL))

- **UN "Model Regulation":** UN3175, SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S., 4.1, II

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15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Risk phrases:**

10 Flammable.

· **Safety phrases:**

7 Keep container tightly closed.

16 Keep away from sources of ignition - No smoking.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

11 Highly flammable.

41 Risk of serious damage to eyes.

67 Vapours may cause drowsiness and dizziness.

· **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 internationale 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)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

· *** Data compared to the previous version altered.**

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