

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.12.2010

Revision: 16.12.2010

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

- **Product details**
- **Trade name:** FloraQuick
- **Application of the substance / the preparation** Surface 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:**



Xi Irritant

- **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.

R 41 Risk of serious damage to eyes.

R 67 Vapours may cause drowsiness and dizziness.

- **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**

3.3/1 - Causes serious eye damage.

**Warning**

2.6/3 - Flammable liquid and vapour.

**Warning**

3.8/3 - May cause drowsiness or dizziness.

- **Prevention:**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/ equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

- **Response:**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

(Contd. on page 2)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.12.2010

Revision: 16.12.2010

Trade name: FloraQuick

(Contd. of page 1)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

Call a POISON CENTER or doctor/physician if you feel unwell.

In case of fire: Use for extinction: CO₂, powder or water spray.

· **Storage:**

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

· **Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients

· **Chemical characterization**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

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

· **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. Then consult a doctor.

· **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:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

7 Handling and storage

· **Handling:**

· **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

(Contd. on page 3)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.12.2010

Revision: 16.12.2010

Trade name: **FloraQuick**

(Contd. of page 2)

Prevent formation of aerosols.

- **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:** No special requirements.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** Keep container tightly sealed.

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:**

| | |
|----------------------------|--|
| 71-23-8 propan-1-ol | |
| WEL | Short-term value: 625 mg/m ³ , 250 ppm |
| | Long-term value: 500 mg/m ³ , 200 ppm |
| | Sk |
| 64-17-5 ethanol | |
| WEL | Long-term value: 1920 mg/m ³ , 1000 ppm |

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

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

- **Respiratory protection:** Not required.

- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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 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.

- **As protection from splashes gloves made of the following materials are suitable:** Natural rubber, NR

(Contd. on page 4)

GB

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.12.2010

Revision: 16.12.2010

Trade name: **FloraQuick**

(Contd. of page 3)

· **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

· **General Information**

| | |
|----------------|----------------|
| Form: | Fluid |
| Colour: | Colourless |
| Odour: | Characteristic |

· **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 78°C

· **Flash point:** 25°C· **Ignition temperature:** 360°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: | 2.1 Vol % |
| Upper: | 15.0 Vol % |

· **Vapour pressure at 20°C:** 59 hPa· **Density at 20°C:** 0.88 g/cm³· **Solubility in / Miscibility with water:**

Fully miscible.

· **Solvent content:**

| | |
|--------------------------|--------|
| Organic solvents: | 61.0 % |
| Water: | 39.0 % |

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.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

(Contd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.12.2010

Revision: 16.12.2010

Trade name: **FloraQuick**

Irritant

(Contd. of page 4)

12 Ecological information

- **General notes:**

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

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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:** 3 Flammable liquids.

- **Danger code (Kemler):** 30

- **UN-Number:** 1993

- **Packaging group:** III

- **Hazard label:** 3

- **Description of goods:** 1993 ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), PROPANOL (PROPYL ALCOHOL, NORMAL))

- **Maritime transport IMDG:**



- **IMDG Class:** 3

- **UN Number:** 1993

- **Label:** 3

- **Packaging group:** III

- **EMS Number:** F-E,S-E

- **Marine pollutant:** No

(Contd. on page 6)

GB

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.12.2010

Revision: 16.12.2010

Trade name: **FloraQuick**

(Contd. of page 5)

· **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), PROPANOL (PROPYL ALCOHOL, NORMAL))

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



· **ICAO/IATA Class:** 3
 · **UN/ID Number:** 1993
 · **Label:** 3
 · **Packaging group:** III
 · **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (ETHANOL, PROPANOL (PROPYL ALCOHOL, NORMAL))

· **UN "Model Regulation":** UN1993, ALCOHOLS, N.O.S., 3, III

15 Regulatory information

· **Labelling according to EU guidelines:**

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

· **Code letter and hazard designation of product:**



Xi Irritant

· **Risk phrases:**

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

· **Safety phrases:**

7 Keep container tightly closed.
 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 39 Wear eye/face protection.
 60 This material and its container must be disposed of as hazardous waste.

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.**