

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 20.02.2008

Revision: 16.02.2008

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

· **Product details**

- **Trade name:** PURELL® Hand Sanitising Gel VF481™
- **Application of the substance / the preparation** Hand sanitising gel

· **Manufacturer/Supplier:**

Manufacturer:
GOJO Industries, Inc.
One GOJO Plaza, Suite 500
Akron, OH 44311
USA
Tel: +1 (330) 255-6000

Supplier :
GOJO Industries – Europe Ltd.
Units 5 & 6
Stratus Park
Brinklow
Milton Keynes
MK10 0DA
United Kingdom
Tel: +44 (0) 1908 588444
Fax: +44 (0) 1908 588445

- **Further information obtainable from:** Laboratory
- **Information in case of emergency:** NHS Direct: 0845 46 47 / Fax: 0845 606 46 47




2 Hazards identification

- **Hazard description:** Not applicable.
- **Information concerning particular hazards for human and environment:**
The product has to be labelled in the latest valid version according to the calculation procedure of the "General Classification guideline for preparations of the EU".
R 10 Flammable.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6	ethanol	 F; R 11	50-100%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol	 Xi,  F; R 11-36-67	2.5-10%

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

4 First aid measures

- **After excessive 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.
- **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).

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Keep away from heat and direct sunlight.
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 control/personal protection

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

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

64-17-5 ethanol

WEL (Great Britain) Long-term value: 1920 mg/m³, 1000 ppm

67-63-0 propan-2-ol

WEL (Great Britain) Short-term value: 1250 mg/m³, 500 ppm
Long-term value: 999 mg/m³, 400 ppm

· **Additional information:** The lists valid during the making were used as basis for this document.

- **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:** Not required.
- **Gloves material:** void
- **Eye protection:** Goggles recommended during refilling

9 Physical and chemical properties

· General Information

Form: gel
Colour: Light blue
Odour: Alcohol-like

· Change in condition

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

· **Flash point:** 26.5°C

· **Ignition temperature:** 425°C

· **Self-igniting:** Product is not self igniting.

· **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 %

· **Vapour pressure at 20°C:** 59 hPa

· **Density:** Not determined.

· Solubility in / Miscibility with

water: Fully miscible.

· **pH-value at 20°C:** 3.8-5.2

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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:** 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.
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 of together with household garbage. Do not allow product to reach sewage system.
- **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 (F1) Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1170
- **Packaging group:** III
- **Hazard label:** 3

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- **Description of goods:** 1170 ETHANOL (ETHYL ALCOHOL)
- **Limited quantities (LQ)** LQ7
- **Transport category** 3
- **Tunnel restriction code** E

· Maritime transport IMDG:

- **IMDG Class:** 3
- **UN Number:** 1170
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Proper shipping name:** ETHANOL (ETHYL ALCOHOL)

· Air transport ICAO-TI and IATA-DGR:

- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1170
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** ETHANOL

15 Regulatory information**· Labelling according to EU guidelines:**

The product has been marked in accordance with EU Directives / respective national laws.
2004/73/CE ; 2006/8/CE

· Risk phrases:

10 Flammable.

· Safety phrases:

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.

36 Irritating to eyes.

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67 Vapours may cause drowsiness and dizziness.

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