

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

Printing date 16.08.2009

Revision: 16.08.2009

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** *hygienic and surgical hand disinfection*

· **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 0DE
United Kingdom
Tel: +44 (0) 1908 588444
Fax: +44 (0) 1908 588445
sds@gojo.com

- **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	70-85%
CAS: 67-63-0 EINECS: 200-661-7	propan-2-ol	 Xi,  F; R 11-36-67	2.5-10%

- **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 a doctor in case of complaints.*

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- **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 a 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.

- **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:**
As a basis for the production of this document, the most current valid lists were used.

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- **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:	Liquid gel
Colour:	Light blue
Odour:	Alcohol-like

· **Change in condition**

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: Undetermined.

· **Flash point:** 23.7°C

· **Ignition temperature:** Not applicable.

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

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

· **Density:** Not determined.

· **Solubility in / Miscibility with water:** Fully miscible.

· **pH-value at 20°C:** 3.8-5.2

· **Solvent content:**
VOC (EC) <75 %

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.

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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

· **Description of goods:** 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

· **Limited quantities (LQ) LQ7**

· **Transport category** 3

· **Tunnel restriction code** D/E

· **Maritime transport IMDG:**



· **IMDG Class:** 3

· **UN Number:** 1170

· **Label** 3

· **Packaging group:** III

· **EMS Number:** F-E,S-D

· **Marine pollutant:** No

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· Proper shipping name: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)**· Air transport ICAO-TI and IATA-DGR:**

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

15 Regulatory information

· Labelling according to EU guidelines:

The product has been marked in accordance with EU Directives / respective national laws.
2008/58/CE (30eme ATP) ; 2006/8/CE

· Risk phrases:

10 Flammable.

· Safety phrases:

2 Keep out of the reach of children.

7 Keep container tightly closed.

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.

67 Vapours may cause drowsiness and dizziness.

· Sources PURELL is a trademark of Johnson & Johnson and is used under license