

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

- **Product details**

- **Trade name:** Sekuroka®-cleaning fluid

- **Article number:** 1317

- **Application of the substance / the preparation** Laboratory chemical

- **Manufacturer/Supplier:**

Carl Roth GmbH + Co.KG

Schoemperlenstraße 3-5

76185 Karlsruhe

Telefon: +49/(0)721 5606-0

Telefax: +49/(0)721 5606-149

Email: info@carlroth.de

- **Further information obtainable from:** Product safety department.

- **Information in case of emergency:**

Giftinformation München

Telefon: +49/(0)89 19240

Telefax: +49/(0)89 41402467

2 Hazards identification

- **Hazard description:**



F Highly flammable

- **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 11 Highly flammable.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Additional information:**

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

3 Composition/information on ingredients

- **Chemical characterization**

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

- **Dangerous components:**

CAS: 67-63-0 propan-2-ol

EINECS: 200-661-7 Xi, F; R 11-36-67

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

4 First-aid measures

- **General information:**

Immediately remove any clothing soiled by the product.

General advice: No induce of vomiting by layman.

- **After inhalation:** Supply fresh air and to be sure call for a doctor.

- **After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

- **After eye contact:** Rinse opened eye for 10 minutes under running water. Then consult a doctor.

- **After swallowing:**

Call for a doctor immediately.

Rinse out mouth and then drink water.

5 Fire-fighting measures

- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Can form explosive gas-air mixtures.
In the event of fire development of hazardous combustion gases or vapours possible.
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (e.g. Rotisorb® Art.-Nr. 1710.1).
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Handling corresponding to laboratory safety guidelines.
- **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:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

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:**
67-63-0 propan-2-ol
WEL 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.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Use suitable respiratory protective device only when aerosol or mist is formed.
- **Protection of hands:**



Protective gloves

- **Material of gloves**
Nitrile, thickness >0,3 mm.
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** Value for the permeation: Level ≥ 6

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· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Protective work clothing

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: ~ 82°C

· **Flash point:** ~ 13°C· **Ignition temperature:** ~ 405°C· **Self-igniting:** Product is not self-igniting.· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures is possible.· **Explosion limits:**

Lower: 2.1 Vol %
Upper: 13.5 Vol %

· **Vapour pressure at 20°C:** 18.7 hPa· **Density at 20°C:** 0.839 g/cm³· **Solubility in / Miscibility with water:** Fully miscible.· **Viscosity:****Dynamic at 20°C:** 2.2 mPas

* 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** Heating
- **Materials to be avoided:** Alkali metals, alkaline earth metals, aluminium, oxidizing agents.
- **Dangerous reactions** No information available.
- **Dangerous decomposition products:** Peroxides

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
67-63-0 propan-2-ol
Oral LD50 5045 mg/kg (rat)
Dermal LD50 12800 mg/kg (rabbit)
Inhalative LC50/4 h 46.5 mg/l (rat)
- **Primary irritant effect:**
- **on the skin:** Slight irritations.
- **on the eye:** Slight irritations
- **after inhalation:** Slight irritations.
- **Sensitization:** No sensitizing effects known.

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- **Further information:** The product should be handled with the care usual when dealing with chemicals.

12 Ecological information

- **Ecotoxicological effects:**
- **Aquatic toxicity:** Quantitative data on the ecological effect of this product are not available.
- **Remark:** Do not allow to enter waters, waste water, or soil!
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.
- **Uncleaned packaging:**
- **Recommendation:** Disposal according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 33
- **UN-Number:** 1219
- **Packaging group:** II
- **Hazard label:** 3
- **Description of goods:** 1219 ISOPROPANOL (ISOPROPYL ALCOHOL)

- **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1219
- **Label:** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-D
- **Marine pollutant:** No
- **Proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)

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



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1219
- **Label:** 3
- **Packaging group:** II
- **Proper shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)

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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.
- **Code letter and hazard designation of product:**
F Highly flammable
- **Risk phrases:**
11 Highly flammable.
- **Safety phrases:**
16 Keep away from sources of ignition - No smoking.
25 Avoid contact with eyes.
39 Wear eye/face protection.
- **National regulations:**
- **Information about limitation of use:** In dealing with chemicals the national laws must be observed.
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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.
- **Department issuing MSDS:** Environment protection department.
- **Contact:** Herr Hahn
- *** Data compared to the previous version altered.**