

## Safety Data sheet

According to Directive 1907/2006

### 3842 iso-PROPYL RUBBING ALCOHOL 70% v/v in water GMP

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Creation Date: 22/12/2016 Revision date: 31/05/2017

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

### Identification of the product

Catalogue No: 3842 Product name: iso-PROPYL RUBBING ALCOHOL 70% v/v in water GMP Use of the substance: Chemical analysis. Solvent. Chemical production. REACH registration Nr.: 01-2119457558-25-0000

### Company/undertaking identification

QUALITY CHEMICALS, SL - C/Fornal 35. Pol. Ind. Can Comelles Sud 08292 ESPARREGUERA ESPAÑA Tel. 937709730 Fax. 937709337 e-mail: dtecnica@qualitychemicals.com

### Emergency telephone No.

Quality Chemicals S.L. Tel. +34 937709730 Only in business hours. Instituto Nacional de Toxicología \*Madrid\* Tel:915620420 Chemtrec: 800-424-9300

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## 2. Hazards identification

Labelling in accordance with directive 1907/2006



### R-phrases

- 11 Highly flammable
- 36 Irritating to eyes.
- 67 Vapours may cause drowsiness and dizziness.

### S-phrases

- 7 Keep container tightly closed.
- 16 Keep away from sources of ignition - No smoking.
- 24/25 Avoid contact with skin and eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Labelling in accordance with directive 1272/2008





**H-phrases**

225 Highly flammable liquid and vapour.  
319 Causes serious eye irritation.  
336 May cause drowsiness or dizziness.

**P-phrases**

210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
305+351 If in eyes: Rinse cautiously with water for several minutes.  
338 Remove contact lenses, if present and easy to do. Continue rinsing.  
309+311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

Signal word : DANGER  
HIGHLY FLAMMABLE; IRRITANT

**R-phrases:**

Highly flammable  
Irritating to eyes.  
Vapours may cause drowsiness and dizziness.

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### 3. Composition/information on ingredients

**Short hazard description**

iso-PROPYL ALCOHOL (CAS-Nr. 67-63-0, EINECS-Nr. 200-661-7) 65

R-Phrases: 11; 36; 67

HIGHLY FLAMMABLE; IRRITANT

For the full text of the R phrases mentioned in this section, see Section 16.

CAS-No.: 67-63-01

Molecular Weight: 60,10

Chemical formula: CH<sub>3</sub>CHOHCH<sub>3</sub>

EC-Index-No.: 603-117-00-0

EC-No.: 200-661-7

R-phrases 11; 36; 67

For more information about the R-Phrases text you can consult the paragraph 16

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### 4. First aid measures

**After inhalation:**

Fresh air  
Call the physician

**After skin contact:**

Rinse with abundant water (or have a shower)  
Get rid of the contaminated clothes

**After eye contact:**

Rinse with abundant water, keeping eyelids open (at least 10 min)  
Call the ophthalmologist

**After swallowing:**

Drink lots of water  
Avoid vomiting  
Risk of aspiration  
Call the doctor  
Pulmonary failure possible  
Laxative: sodium sulphate (1 spoonful for every 1/4 l water)

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### 5. Fire-fighting measures

**Suitable extinguishing media:**

Dust  
Foam  
Water  
Carbon dioxide

**Special risks:**

Flammable  
Keep away from ignition sources  
Steam heavier than air  
Avoid electrostatic load  
Ambient fire may liberate hazardous vapours  
Possible formation of explosive mixtures with air

**Special protective equipment for fire fighting:**

Remain in the risk area only if provided with independent artificial respiratory systems.

**Other information:**

Avoid the penetration of the extinction water in superficial or subterranean aquifers.  
Cool the containers spraying water  
Precipitate emergent steam with water

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## 6. Accidental release measures

**Person-related precautionary measures:**

Not to inhale steam/aerosols  
Avoid contact with the substance  
Ventilation in closed spaces

**Procedures for cleaning/absorption:**

To gather with absorbents  
To come to the elimination of the remainders  
Rinse.

**Environmental protection measures:**

Do not allow to enter sewerage system  
Risk of explosion

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## 7. Handling and storage

**Handling:**

Avoid electrostatic load  
Keep away from sources of ignition  
Work under display cabinet extractor  
Do not inhale the substance  
Avoid generation of steams

**Storage:**

Well closed  
In well-ventilated place  
Moved away of sources of ignition and heat  
Do not use light-weight-metal containers

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## 8. Exposure controls/personal protection

**Exposure limit control**

iso-PROPYL ALCOHOL

VLA-ED: 400 ppm (998 mg/m<sup>3</sup>) VLA-EC: 500 ppm (1250 mg/m<sup>3</sup>)

**Personal protective equipment:**

**Respiratory protection:**

Necessary when steam/aerosols are generated

**Hand protection:**

Protection gloves:

Nitrile rubber

Polychloroprene

**Eye protection:**

Needed

**Other protective equipment:**

Change immediately contaminated clothes

Wash hands when work is finished

Recommendable preventive protection of the skin

Fulfill the commitments under local environmental protection legislation

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## 9. Physical and chemical properties

Physical state: Liquid

Colour: Colourless

Odour: Alcohol like

pH value: Neutral

Dynamic viscosity: 2,2 mPa·s\_\_\_

Ignition temperature: 425°C

Explosion limits: Lower: 2 Vol % Upper: 12,7 Vol %\_\_\_

Vapour pressure: 43 hPa

Density (g/cm<sup>3</sup>): 0,880

Solubility: Soluble (water)

log P(ow): 0,05

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## 10. Stability and reactivity

**Substances to be avoided:**

Organic and inorganic reducing substances.

Rubber.

**Hazardous decomposition products:**

Peroxides.

**Further information:**

To avoid heating.

Hygroscopic.

Incompatible with various plastics.

Exothermic reaction with metals and oxidizing agents.

Highly flammable.

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## 11. Toxicological information

**Acute toxicity:**

LDLo (oral, human): 3570 mg/kg. LD50 (oral, rat): 5045 mg/kg.\_

**After eye contact:**

Irritation

**After skin contact:**

Risk of secondary infection

**After inhalation:**

Irritation of: respiratory tract  
Drowsiness  
Dizziness

**After long contact:**

Respiratory paralysis  
Coma  
Inebriation  
Narcosis  
Headache  
Dizziness  
Loss of consciousness

**After swallowing:**

Chemical pneumonitis  
Risk of aspiration

**Further toxicological information:**

Non carcinogenic in animal experiments  
The precautions adapted for chemical agents must be observed

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## 12. Ecological information

Fishes: Pimephales promelas: LC50: 9640 mg/l/96h. Leuciscus idus: 8970 mg /l. (pure substance)

Daphnia: Daphnia magna: EC50: 9710 mg/l. (pure substance)

Algae: Desmodesmus subspicatus: IC50: >1000 mg/l/72h. Scenedesmus quadri cauda IC5: 1800 mg/l/8d. (pure s

Bacteria: Photobacterium phosphoreum: EC50: 42000 mg/l. Microcystis aerugi osa EC5: 1000 mg/l/8d. (pure s

Log P(ow): 0,05

Degradability: Readily biodegradable

BOD5 1,18 g/g

COD 2,3 g/g

TOD 2,4 g/g

Bioaccumulation: No bioaccumulation is to be expected (log Pow < 1)\_

**Other harmful effects:**

Toxic effect on fish and plankton

When used properly, ni impairments in the function of waste-water-treatment plants are to be expected

No ecological problems are to be expected when the product is handled and used with due care are attentio

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## 13. Disposal considerations

**Product:**

Dispose as regulated in the communitary countries by local regulations.

Please contact with the suitable authority in each case (Public Administration or company specialized in

**Packaging:**

Product packaging disposal must be disposed of in compliance with the respective local regulations.

For contaminated packaging the same measures must be adopted as for the contaminated product.

Not contaminated packaging must be disposed of as domestic residues or recycled material.

European Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

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## 14. Transport information

**Overland transport ADR/RID**

UN: 1219

Class: 3

Packaging group: II

Correct technical name: ISOPROPANOL (ISOPROPYL ALCOHOL)

### Sea transport IMDG

UN: 1219  
Class: 3/II  
Packaging group: II  
Correct technical name: ISOPROPANOL (ISOPROPYL ALCOHOL)

### Air transport ICAO-IATA-DGR

UN: 1219  
Class: 3  
Packaging group: II  
Correct technical name: ISOPROPANOL (ISOPROPYL ALCOHOL)  
CAO: 364  
PAX: 353

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## 15.Regulatory information

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## 16.Other information

Full text of R phrases mentioned in sections 2 and 3

11 Highly flammable

36 Irritating to eyes.

67 Vapours may cause drowsiness and dizziness.

The information contained herein is based on the present state of our knowledge.

It characterizes the product with regard to appropriate safety precautions. It does not represent a guaranty of the properties of the product.