Telefax: ++49(0)7041-963429



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

# Isopropanol bulk

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# SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Isopropanol bulk

CAS No: 67-63-0
Index No: 603-117-00-0
EC No: 200-661-7

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

### Uses advised against

Reserved for industrial and professional use.

#### 1.3. Details of the supplier of the safety data sheet

Company name: ITW LLC & Co. KG
Street: Mühlackerstrasse 149
Place: D-75417 Mühlacker
Telephone: ++49(0)7041-96340

e-mail: info@itwcp.de
Internet: www.itwcp.de
Responsible Department: Produktsicherheit

1.4. Emergency telephone ++49(0)7041-96340

number: Mo. - Do. 8.00 - 16.30 Fr. 8.00 - 14.00

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

### Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

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

# 2.2. Label elements

#### Regulation (EC) No. 1272/2008

# Hazard components for labelling

Propan-2-ol

Signal word: Danger

Pictograms:





## **Hazard statements**

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

# **Precautionary statements**

P403+P235 Store in a well-ventilated place. Keep cool.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with



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water/shower.

P243 Take precautionary measures against static discharge.

P233 Keep container tightly closed.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

### **SECTION 3: Composition/information on ingredients**

#### 3.1. Substances

#### Hazardous components

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification according to Regulation (EC) No. 1272/2008 [CLP]				
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			50-100 %	
	200-661-7	603-117-00-0			
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336				

Full text of H and EUH statements: see section 16.

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

#### After inhalation

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After contact with skin

In case of skin irritation, consult a physician. After contact with skin, wash immediately with: Water. Change contaminated clothing.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

Call a physician immediately. Do NOT induce vomiting. If swallowed, immediately drink: Water.

## 4.2. Most important symptoms and effects, both acute and delayed

No data available

# 4.3. Indication of any immediate medical attention and special treatment needed

No data available

# **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO2). Foam. Extinguishing powder.

#### Unsuitable extinguishing media

Water with tenside additive. Water.

#### 5.2. Special hazards arising from the substance or mixture

Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode. Combustible. Vapours may form explosive mixtures with air. Heating causes rise in pressure with risk of bursting.

## 5.3. Advice for firefighters

Move undamaged containers from immediate hazard area if it can be done safely. Wear a self-contained breathing apparatus and chemical protective clothing.



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#### Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

Take precautionary measures against static discharge. Remove all sources of ignition. Provide adequate ventilation. Wear a self-contained breathing apparatus and chemical protective clothing.

#### 6.2. Environmental precautions

Stop and contain spill/release if it can be done safely. If this cannot be done, allow fire to burn under control. Do not allow to enter into surface water or drains. Explosion hazard.

#### 6.3. Methods and material for containment and cleaning up

Ventilate affected area.

# **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

#### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.

## 7.2. Conditions for safe storage, including any incompatibilities

# Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Protect against direct sunlight. Keep away from sources of ignition. - No smoking.

#### Advice on storage compatibility

Do not store together with: Material, rich in oxygen, oxidizing.

### **SECTION 8: Exposure controls/personal protection**

## 8.1. Control parameters

### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

# 8.2. Exposure controls





#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

### Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Protect skin by using skin protective cream. After work, wash hands and face. When using do not eat or drink.



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#### Eye/face protection

Tightly sealed safety glasses.

#### Hand protection

DIN EN 374 Tested protective gloves are to be worn: Butyl rubber. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

#### Skin protection

Protective clothing:

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### **Environmental exposure controls**

Do not empty into drains.

# **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state: liquid Colour: colourless Odour: Alcohol.

Test method

pH-Value (at 20 °C): 7

Changes in the physical state

-89 °C Melting point: Initial boiling point and boiling range: 82 °C 12 °C Flash point: Lower explosion limits: 2 Upper explosion limits: 12 425 °C Ignition temperature: Density: 0,785 g/cm<sup>3</sup> Water solubility: highly soluble. Viscosity / dynamic: 2,43 mPa·s

(at 20 °C)

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No data available

# 10.2. Chemical stability

No data available

#### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

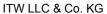
Keep away from heat. Ignition hazard.

# 10.5. Incompatible materials

No data available

## 10.6. Hazardous decomposition products

No data available





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### **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

## **SECTION 12: Ecological information**

## **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

#### Waste disposal number of waste from residues/unused products

200113 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND

INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately

collected fractions (except 15 01); solvents

Classified as hazardous waste.

#### Waste disposal number of contaminated packaging

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately

collected municipal packaging waste); metallic packaging

#### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## **SECTION 14: Transport information**

#### Land transport (ADR/RID)

**14.1. UN number:** UN1219

14.2. UN proper shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL)

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



Classification code: F1
Special Provisions: 601
Limited quantity: 1 L
Transport category: 2
Hazard No: 33
Tunnel restriction code: D/E

## Other applicable information (land transport)

E2

#### Inland waterways transport (ADN)

**14.1. UN number:** UN1219

14.2. UN proper shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL)

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



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Classification code: F1
Special Provisions: 601
Limited quantity: 1 L

Other applicable information (inland waterways transport)

E2

# Marine transport (IMDG)

**14.1. UN number:** UN1219

14.2. UN proper shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL)

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



Special Provisions: Limited quantity: 1 L
EmS: F-E, S-D

Other applicable information (marine transport)

E2

#### Air transport (ICAO)

**14.1. UN number:** UN1219

14.2. UN proper shipping name: ISOPROPANOL (ISOPROPYL ALCOHOL)

14.3. Transport hazard class(es):314.4. Packing group:IIHazard label:3



Special Provisions: A180 Limited quantity Passenger: 1 L

IATA-packing instructions - Passenger: 353
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 364
IATA-max. quantity - Cargo: 60 L

# Other applicable information (air transport)

E2 : Y341

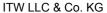
# 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### **SECTION 15: Regulatory information**

# 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information





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Water contaminating class (D): 1 - slightly water contaminating

# **SECTION 16: Other information**

# Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.