

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Product name:** ISOPROPANOL

**REACH registered number(s):** 01-2119457558-25

**CAS number:** 67-63-0

**EINECS number:** 200-661-7

**Index number:** 603-117-00-0

**Synonyms:** IPA

PROPAN-2-OL

ISO PROPYL ALCOHOL

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

**Use of substance / mixture:** Industrial uses: Uses of substances as such or in preparations at industrial sites.  
Solvent for industrial use. Uses in coatings. Lubricants and lubricant additives. Use in cleaning agents. Water treatment applications. PC21: Laboratory chemicals.

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

**Company name:** Leading Solvents

Marston Business Park

Rudgate

Tockwith

York

YO26 7QF

**Tel:** 01423 358058

**Fax:** 01423 358923

**Email:** [enquiries@leading-solvents.co.uk](mailto:enquiries@leading-solvents.co.uk)

**1.4. Emergency telephone number**

**Emergency tel:** 01423 358058 (Office Hours Only)

**Section 2: Hazards identification**

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

**Classification under CLP:** STOT SE 3: H336; Eye Irrit. 2: H319; Flam. Liq. 2: H225

**Most important adverse effects:** Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.

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## 2.2. Label elements

**Label elements:**

**Hazard statements:** H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark



**Signal words:** Danger

**Precautionary statements:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243: Take precautionary measures against static discharge.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

## 2.3. Other hazards

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.1. Substances

**Chemical identity:** PROPAN-2-OL

**CAS number:** 67-63-0

**EINECS number:** 200-661-7

**REACH registered number(s):** 01-2119457558-25

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues

**Ingestion:** Wash out mouth with water. If patient is conscious, give water to drink. If patient feels unwell, seek medical advice. DO NOT INDUCE VOMITING. Get medical attention immediately.

[cont...]

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**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Seek medical attention if necessary.

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

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

**Exposure hazards:** Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

[cont...]

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## 6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.  
Do not handle in a confined space. Avoid the formation or spread of mists in the air.  
Smoking is forbidden. Use non-sparking tools.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area.  
Ensure lighting and electrical equipment are not a source of ignition.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Workplace exposure limits:

#### Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	999 mg/m <sup>3</sup>	1250 mg/m <sup>3</sup>	-	-

#### Hazardous ingredients:

#### PROPAN-2-OL

#### Workplace exposure limits:

#### Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	999 mg/m <sup>3</sup>	1250 mg/m <sup>3</sup>	-	-

## DNEL/PNEC Values

### ISOPROPANOL

Type	Exposure	Value	Population	Effect
DNEL	Oral	26 mg/kg bw/day	Consumers	Systemic
DNEL	Dermal	319 mg/kg bw/day	Consumers	Systemic
DNEL	Dermal	888 mg/kg bw/day	Workers	Systemic
DNEL	Inhalation	89 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Inhalation	500 mg/m <sup>3</sup>	Workers	Systemic

[cont...]

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PNEC	Fresh water	140.9 mg/l	-	-
PNEC	Fresh water sediments	552 mg/kg	-	-
PNEC	Marine sediments	552 mg/kg	-	-
PNEC	Marine water	140.9 mg/l	-	-
PNEC	Microorganisms in sewage treatment	2251 mg/l	-	-
PNEC	Soil (agricultural)	28 mg/kg	-	-

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**Respiratory protection:** Required, if exposure limit is exceeded. In Case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Gas/vapour filter, type A: organic vapours (EN141).

**Hand protection:** Protective gloves should be replaced at first signs of wear. butyl rubber (BR), or Fluorinated Rubber gloves Glove thickness 0.5mm Breakthrough time of the glove material > 8 hours.

**Eye protection:** Safety goggles. Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Solvent resistant protective clothing.

### Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Colourless

**Odour:** Alcoholic

**Evaporation rate:** Moderate

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Soluble

**Also soluble in:** Most organic solvents.

**Viscosity:** Non-viscous

**Boiling point/range°C:** 78-82

**Melting point/range°C:** -88

**Flammability limits %: lower:** 2.5

**upper:** 12.7

**Flash point°C:** 12

**Part.coeff. n-octanol/water:** No data available.

**Autoflammability°C:** >399

**Vapour pressure:** 4.16kPa@20c

**Relative density:** 0.786

**pH:** Neutral

**VOC g/l:** No data available.

#### 9.2. Other information

**Other information:** No data available.

[cont...]

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## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions. Stable at room temperature.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

**Relevant hazards for product:**

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

[cont...]

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## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

### 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1219

### 14.2. UN proper shipping name

**Shipping name:** ISOPROPANOL (ISOPROPYL ALCOHOL)

### 14.3. Transport hazard class(es)

**Transport class:** 3

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

[cont...]

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Tunnel code: D/E

Transport category: 2

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.