

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

1.1. Product identifier

IPA SOLVENT
Bulk

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

Cleaners - Precision

1.3. Details of the supplier of the safety data sheet

Premier Farnell
150 Armley Road
Leeds LS12 2QQ
Tel. : +44 (0) 8701 202530

1.4. Emergency telephone number

+44 1865 407333

SECTION 2: Hazards identification



2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical	: Flammable liquid, category 2 Highly flammable liquid and vapour.
Health	: Eye irritation, category 2 Causes serious eye irritation. Specific target organ toxicity - single exposure, category 3 May cause drowsiness or dizziness.
Environment	: Not classified
Other hazards	: None
Other hazards	: Not classified

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier	: propan-2-ol Index-N°: 603-117-00-0
Hazard pictogram(s)	:  
Signal word	: Danger
Hazard statement(s)	: H225 : Highly flammable liquid and vapour. H319 : Causes serious eye irritation. H336 : May cause drowsiness or dizziness.
Precautionary statement(s)	: P101 : If medical advice is needed, have product container or label at hand. P102 : Keep out of reach of children. P210 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 : Wear protective gloves/protective clothing/eye protection/face protection. P271 : Use only outdoors or in a well-ventilated area. P305/351/338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337/313 : If eye irritation persists: Get medical advice/attention.

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P403/233 : Store in a well-ventilated place. Keep container tightly closed.

P501-1 : Dispose of contents/container as hazardous waste.

Supplemental Hazard Information : None

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.1. Substances

propan-2-ol; isopropyl alcohol; isopropanol

Hazardous Ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard Statement	Notes
propan-2-ol; isopropyl alcohol; isopropanol	01-2119457558-25	67-63-0	200-661-7	60-100	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225, H319, H336	B
Explanation notes							
B : substance with national established workplace exposure limit							

(* Explanation phrases : see chapter 16)

3.2. Mixtures

Not applicable.

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with eyes : If substance has got into eyes, immediately wash out with water for at least 15 minutes
Remove contact lenses, if present and easy to do. Continue rinsing.
Seek medical attention if irritation persists

Contact with skin : Wash with water and soap. Seek medical attention if irritation persists

Inhalation : Fresh air, keep warm and at rest. Seek medical attention if ill effects occur

Ingestion : If swallowed do not induce vomiting. Seek medical advice

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

Inhalation : Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness

Ingestion : May cause gastrointestinal disturbances
Symptoms : sore throat, abdominal pain, nausea, vomiting

Skin contact : Mildly irritating to skin
Symptoms : redness and pain

Eye contact : Irritating to eyes
Symptoms : redness and pain, impaired vision

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

General Advice : If you feel unwell, seek medical advice (show the label where possible)
If symptoms persist always call a doctor)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

May form explosive vapour/air mixtures
Forms hazardous decomposition products
CO, CO₂

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water
In case of fire, do not breathe fumes

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing including eye/face protection.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat and sources of ignition
Take precautionary measures against static discharges
Equipment should be earthed
Use explosion-proof electrical/ventilating/lighting/.../equipment.
Use only non-sparking tools.
Do not breathe aerosols or vapours.
Ensure adequate ventilation
Avoid contact with skin and eyes.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.
Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed, in a cool, well ventilated place.
Keep out of reach of children.

7.3. Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

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Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm
National established exposure limits, United Kingdom			
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm
National established exposure limits, Ireland			
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	200 ppm
		STEL	400 ppm

8.2. Exposure controls

Control procedures	: Ensure adequate ventilation Keep away from heat and sources of ignition Take precautionary measures against static discharges
Personal protection	: Take precautions to avoid contact with skin and eyes when handling the product. Ensure adequate ventilation
Inhalation	: In case of insufficient ventilation, wear suitable respiratory equipment.
Recommended respiratory protection	: Air purifying respirator equipped with organic gas/vapor cartridge (type A)
Hands and Skin	: When handling the product wear chemical-resistant gloves (standard EN 374).
Recommended gloves	: Nitrile The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Depending on amount and duration of use and the risk of contact with the product the gloves manufacturer can assist you in the selection of the right glove material and breakthrough time.
Eyes	: Wear safety eyewear according to EN 166.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Apperance : physical state	: Liquid.
Colour	: Colourless.
Odour	: Alcohol.
pH	: Not applicable.
Boiling point/range	: 82°C
Flash point	: 12°C (Closed Cup)
Evaporation rate	: Not available
Explosion limits : upper limit	: 12%
Lower limit	: 2%
Vapour pressure	: 4.16kPa (@ 20°C).
Relative density	: 0.785 g/cm ³ (@ 20°C).
Solubility in water	: Soluble in water
Auto-ignition	: 460°C
Viscosity	: 3.057 cst20

9.2. Other information

NA

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

10.4. Conditions to avoid

Avoid overheating

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO₂

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Based on available data the classification criteria are not met

Skin corrosion/irritation : Based on available data the classification criteria are not met

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation: Based on available data the classification criteria are not met

Germ cell mutagenicity : Based on available data the classification criteria are not met

Carcinogenicity : Based on available data the classification criteria are not met

Toxicity for reproduction : Based on available data the classification criteria are not met

STOT-single exposure : May cause drowsiness or dizziness

STOT repeated exposure : Based on available data the classification criteria are not met

Aspiration hazard : Based on available data the classification criteria are not met

Information on likely routes of exposure

Inhalation : Inhalation of solvent vapours may give rise to nausea, headaches and dizziness

Skin contact : Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis

Eye contact : Irritating to eyes

Toxicological data:

Hazardous ingredient	CAS-nr.	method	
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	LD50 oral rat	5840 mg/kg
		LC50 inhal.rat	> 25000 mg/l
		LD50 derm.rabit	13900 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological data:

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Hazardous ingredient	CAS-nr.	method	
propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	IC50 algae	1000 mg/l
		LC50 fish	9640 mg/l
		EC50 daphnia	9714 mg/l

12.2. Persistence and degradability

Biodegradable

12.3. Bioaccumulative potential

Not applicable.

12.4. Mobility in soil

Soluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : This material and its container must be disposed of in a safe way.
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

Contaminated packaging : Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number : 1219

14.2. UN proper shipping name

Proper shipping name : ISOPROPANOL

14.3. Transport hazard class(es)

Class : 3

ADR/RID - Classification code : F1

14.4. Packing group

Packing group : II

14.5. Environmental hazards

ADR/RID - Environmentally hazardous : No

IMDG - Marine pollutant : No

IATA/ICAO - Environmentally hazardous : No

14.6. Special precautions for user

ADR/RID - Tunnelcode : (D/E)

IMDG - Ems : F-D, S-U

IATA/ICAO - PAX : 353

IATA/ICAO - CAO : 364

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.

Regulation (EC) No 1907/2006 (REACH)

Regulation (EC) No 1272/2008 (CLP)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation hazard statements : H225 : Highly flammable liquid and vapour.

H319 : Causes serious eye irritation.

H336 : May cause drowsiness or dizziness.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.