



SAFETY DATA SHEET

Isopropyl Alcohol

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

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

1.1. Product identifier

Product name	Isopropyl Alcohol
Chemical name	PROPAN-2-OL
Product number	MCC-BACFG, MCC-BACPP, MCC-4725
Synonyms; trade names	Isopropyl Alcohol, Isopropanol
EU REACH registration number	05-2114285306-46-0000
CAS number	67-63-0
EU index number	603-117-00-0
EC number	200-661-7

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

Identified uses	Cleaning agent.
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1.3. Details of the supplier of the safety data sheet

Supplier	MICROCARE EUROPE BVBA VEKESTRAAT 29 B11 INDUSTRIEZONE 'T SAS 1910 KAMPENHOUT, Belgium Phone +32.2.251.95.05 Fax +32.2.400.96.39 EuroSales@MicroCare.com
Manufacturer	MICROCARE U.K. LTD SEVEN HILLS BUSINESS CENTRE SOUTH STREET, MORLEY LEEDS, WEST YORKSHIRE, UK LS27 8AT Tel: +44 (0) 113 3609019 mcceurope@microcare.com

1.4. Emergency telephone number

Emergency telephone	INFOTRAC +44 330 027 0156 (UK) 1-352-323-3500 (from anywhere in the world)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

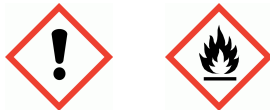
Physical hazards	Flam. Liq. 2 - H225
Health hazards	Eye Irrit. 2 - H319 STOT SE 3 - H336
Environmental hazards	Not Classified

Isopropyl Alcohol

2.2. Label elements

EC number 200-661-7

Hazard pictograms



Signal word Danger

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

Precautionary statements
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P240 Ground and bond container and receiving equipment.
 P243 Take action to prevent static discharges.
 P261 Avoid breathing vapour/ spray.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

Supplemental label information EUH210 Safety data sheet available on request. RCH001a For use in industrial installations only.

Supplementary precautionary statements
 P241 Use explosion-proof electrical equipment.
 P242 Use non-sparking tools.
 P264 Wash contaminated skin thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTRE/doctor if you feel unwell.
 P337+P313 If eye irritation persists: Get medical advice/ attention.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Product name Isopropyl Alcohol
Chemical name PROPAN-2-OL
EU index number 603-117-00-0
CAS number 67-63-0
EC number 200-661-7

3.2. Mixtures

Composition

SECTION 4: First aid measures

Isopropyl Alcohol

4.1. Description of first aid measures

Inhalation	IF INHALED: When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
Ingestion	IF SWALLOWED: Get medical attention immediately. Do not induce vomiting unless under the direction of medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water.
Skin contact	IF ON SKIN (or hair): Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Take off immediately all contaminated clothing and wash it before reuse. Get medical attention if any discomfort continues.
Eye contact	IF IN EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

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

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

Specific treatments	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with carbon dioxide or dry powder. Alcohol-resistant foam.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Wear fire/flame resistant/retardant clothing. Face mask, protective gloves and safety helmet.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.
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6.2. Environmental precautions

Environmental precautions	Avoid the spillage or runoff entering drains, sewers or watercourses.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Collect with non-combustible absorbent material. Flush with water. Dike for large spills.
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6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapour/spray. Use only outdoors or in a well-ventilated area. Wash skin thoroughly after handling. Ground/bond container and receiving equipment. Take precautionary measures against static discharges.
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7.2. Conditions for safe storage, including any incompatibilities

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

WEL = Workplace Exposure Limit.

8.2. Exposure controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Alcoholic.
Odour threshold	No information available.
pH	No information available.
Melting point	- 89.0°C/- 128.2°F
Initial boiling point and range	80 - 100°C/176 - 212°F
Flash point	12°C / 53.6°F Method: Closed cup.
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	4.4 kPa @ not specified°C
Vapour density	2.07
Relative density	0.786
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	: 0.05
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	2.6 mm ² /s @ not specified°C
Explosive properties	No information available.
<u>9.2. Other information</u>	
Refractive index	No information available.
Particle size	Not available.

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Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Oxidising agents. Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Aldehydes. Amines.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

NTP carcinogenicity Not listed.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 9,640 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 5102 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: >2,000 mg/l, Algae

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Partition coefficient : 0.05

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Reuse or recycle products wherever possible.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

Isopropyl Alcohol

14.1. UN number

UN No. (ADR/RID)	1219
UN No. (IMDG)	1219
UN No. (ICAO)	1219
UN No. (ADN)	1219

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	UN1219, ISOPROPYL ALCOHOL, 3, PGII
Proper shipping name (IMDG)	UN1219, ISOPROPYL ALCOHOL, 3, PGII
Proper shipping name (ICAO)	UN1219, ISOPROPYL ALCOHOL, 3, PGII
Proper shipping name (ADN)	UN1219, ISOPROPYL ALCOHOL, 3, PGII

14.3. Transport hazard class(es)

ADR/RID class	3
IMDG class	3
ICAO class/division	3

14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II

14.5. Environmental hazards

14.6. Special precautions for user

EmS	F-E, S-D
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14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

Inventories

EU - EINECS/ELINCS
EINECS

Canada - DSL/NDSL
DSL

US - TSCA
Present.

US - TSCA 12(b) Export Notification
No.

Australia - AIC
Yes

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Japan - ENCS

Yes

Korea - KECI

Yes

China - IECSC

Yes

Philippines – PICCS

Yes

SECTION 16: Other information

Revision date	13/07/2022
Revision	32
Supersedes date	18/01/2021
SDS number	BULK - IPA
SDS status	Approved.
Hazard statements in full	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.