SAFETY DATA SHEET
Isopropyl Alcohol

According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR).

1. Identification

Product identifier

Product name Isopropyl Alcohol
Chemical name PROPAN-2-OL
Product number MCC-BACFG, MCC-BACPP, MCC-4725
Synonyms; Common Names Isopropyl Alcohol, Isopropanol
CAS number 67-63-0

Recommended use and restrictions on use

Recommended use Cleaning agent.

Details of the supplier of the safety data sheet

Supplier MICROCARE LLC
Manufacturer MICROCARE LLC
595 John Downey Drive
New Britain, CT 06051
United States of America
CAGE: OATV9
Tel: +1 800-638-0125, +1 860-827-0626
techsupport@microcare.com

Emergency telephone number

Emergency telephone INFOTRAC 1-800-535-5053 (CANADA and U.S.A.)
1-352-323-3500 (from anywhere in the world)

2. Hazard identification

Classification of the substance or mixture

WHMIS Regulatory Status This product has been classified according to the hazard criteria of the Hazardous Product Regulations and the SDS contains all required information.

Physical hazards Flam. Liq. 2 - H225

Health hazards Eye Irrit. 2 - H319 STOT SE 3 - H335

Environmental hazards Not Classified

Label elements

Hazard pictograms

Signal word Danger
Isopropyl Alcohol

Hazard statements
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

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.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing vapour/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTRE/doctor if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/attention.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P501 Dispose of contents/container in accordance with national regulations.

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

3. Composition/information on ingredients

Substances

Product name Isopropyl Alcohol
Chemical name PROPAN-2-OL
CAS number 67-63-0

Mixtures
Composition

4. First-aid measures

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.

Indication of any immediate medical attention and special treatment needed
Specific treatments Treat symptomatically.

5. Fire-fighting measures

Extinguishing media
Isopropyl Alcohol

Suitable extinguishing media
Extinguish with carbon dioxide or dry powder. Alcohol-resistant foam.

Specific hazards arising from the hazardous product

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.

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.

6. Accidental release measures

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.

Environmental precautions
Environmental precautions
Avoid the spillage or runoff entering drains, sewers or watercourses.

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.

7. Handling and storage

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.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits
Long-term exposure limit (8-hour TWA): ACGIH 200 ppm 492 mg/m³
Short-term exposure limit (15-minute): ACGIH 400 ppm 984 mg/m³
A4
ACGIH = American Conference of Governmental Industrial Hygienists.
A4 = Not Classifiable as a Human Carcinogen.

9. Physical and chemical properties

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
Isopropyl Alcohol

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 mm²/s @ not specified °C
Explosive properties No information available.
Refractive index No information available.
Particle size Not available.
Molecular weight No information available.
Vollatility No information available.
Saturation concentration No information available.
Critical temperature No information available.

10. Stability and reactivity

Stability Stable at normal ambient temperatures.
Conditions to avoid Oxidizing agents. Avoid heat, flames and other sources of ignition.
Materials to avoid Strong oxidizing agents. Aldehydes. Amines.

11. Toxicological information

Information on toxicological effects
Carcinogenicity
IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.
NTP carcinogenicity Not listed.

12. Ecological information

Acute aquatic toxicity
Isopropyl Alcohol

**Acute toxicity - fish**
\[ LC_{50}, 96\text{ hours}: 9,640 \text{ mg/l}, \text{Fish} \]

**Acute toxicity - aquatic invertebrates**
\[ EC_{50}, 48\text{ hours}: 5102 \text{ mg/l}, \text{Daphnia magna} \]

**Acute toxicity - aquatic plants**
\[ IC_{50}, 72\text{ hours}: >2,000 \text{ mg/l}, \text{Algae} \]

**Bioaccumulative potential**
Partition coefficient: 0.05

**13. Disposal considerations**

**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.

**14. Transport information**

**UN number**
- UN No. (TDG): 1219
- UN No. (IMDG): 1219
- UN No. (ICAO): 1219
- UN No. (DOT): 1219

**UN proper shipping name**
- Proper shipping name (TDG): 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 (DOT): UN1219, ISOPROPYL ALCOHOL, 3, PGII

**Transport hazard class(es)**
- TDG class: 3
- IMDG class: 3
- ICAO class/division: 3

**Packing group**
- TDG packing group: II
- IMDG packing group: II
- ICAO packing group: II
- DOT packing group: II

**Special precautions for user**
EmS: F-E, S-D

**15. Regulatory information**

Inventories
Isopropyl Alcohol

EU - EINECS/ELINCS
EINECS

Canada – DSL/NDSL
DSL

US - TSCA
Present.

US – TSCA 12(b) Export Notification
No.

Australia - AIIC
Yes

Japan - ENCS
Yes

Korea - KECI
Yes

China - IECSC
Yes

Philippines – PICCS
Yes

16. Other information

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