

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: ISOPROPANOL LS461

Synonyms: Isopropyl Alcohol

Use: Solvent and cleaning agent

Supplier: Advance Chemicals

ABN: 61 005 625 025

Street Address: 4 – 8 Malton Court Altona, 3018

Telephone Number: (03) 9398 4444

Emergency Telephone: Ted Powell (03) 9398 4444 (Business Hours)
0425 800 022 (After Hours)

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 7th Revised Edition.

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

Classification of the substance or mixture:

Flammable Liquid – Category 2

Eye irritation – Category 2A

Specific target organ toxicity (single exposure) – Category 3

SIGNAL WORD: DANGER



Hazard Statement(s):

H225 – Highly flammable liquid and vapour.

H319 – Causes serious eye irritation

H336 – May cause drowsiness or dizziness.

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Precautionary Statement(s):

Prevention:

- P102 Keep out of reach of children.
- P103 Read label before use.
- P104 Read Safety Data Sheet before use.
- P210 – Keep away from ignition sources – No smoking.
- P260 – Do not breathe fumes/gas/mist/vapour/spray.
- P264 – Wash hands thoroughly after handling
- P233 – Keep container tightly closed.
- P240 – Ground/Bond container and receiving equipment
- P241 – use explosion – proof equipment when handling this product.
- P242 – Use only non-sparking tool.
- P243 – Take precautionary measures against static discharge.
- P280 - Wear protective gloves/eye protection/ face protection.

Response:

- P301 + P361 +P353 – IF ON SKIN (or hair): remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 – If eye irritation persists: Get medical advice/attention.
- P370 + P378 – In case of fire use alcohol resistant foam, Dry Chemical, CO₂ or water fog.
- P314 – Get medical advice/attention if you feel unwell.

Storage:

- P405 – Store in a well-ventilated place. Keep cool.

Disposal:

- P501: Dispose of contents/container in accordance with local waste management authority.

Poison Schedule (Australia): N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion	
Isopropyl Alcohol	67-63-0	100%	H225; H319; H336

4. FIRST AID MEASURES

Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing. If breathing is difficult administer oxygen. If the victim is not breathing perform artificial respiration. **WARNING:** It may be hazardous to the person providing aid to give mouth to mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

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Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. If irritation persists, seek medical attention. Wash contaminated clothing before reuse.

Eye Contact: IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.

Ingestion: Do NOT induce vomiting. Examine lips and mouth to ascertain whether tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing. If the victim isn't breathing, perform artificial respiration. Seek medical attention.

Notes to Doctor: Support cardiovascular and respiration functions.

5. FIRE FIGHTING MEASURES

Specific Hazards: Flammable liquid. When heated decomposition, it emits acrid smoke and fumes.

Fire-fighting advice: Wear full protective equipment including self-contained breathing apparatus.

Suitable Extinguishing Media: Use dry chemical powder for small fires and use alcohol foam, water spray or fog.

Hazchem Code: 2[Y]E

Flammability: Flammable.

6. ACCIDENTAL RELEASE MEASURES

Clean up personnel should wear splash goggles, full suit, vapour respirator, boots, and gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist before handling this product. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do NOT touch spilled material. Prevent entry into sewers, basements or confined areas. Eliminate sources of ignition. Be careful that the product is not present at a concentration level above TLV.

Dilute with water and mop up, or absorb with an inert DRY material and place in appropriate waste disposal container.

7. HANDLING AND STORAGE

Handling advice: Use in well-ventilated areas away from ignition sources. Only use equipment that is intrinsically safe for use with flammable liquids and vapours. Keep containers closed when not in use. Avoid contact with skin and eyes.

Storage advice: Keep locked up. Keep away from heat. Keep away from sources of ignition. Ground equipment containing material. Do NOT ingest. Do not breathe gas, fumes, vapors or spray. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from incompatibles such as oxidising agents and acids. Store in a segregated and approved area. Keep container in a cool, well ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits:

ISOPROPYL ALCOHOL:	TWA-	400ppm	983 mg/m ³
:	STEL-	500ppm	1.230 mg/m ³

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work station location.

Personal Protection Equipment: Wear full protective clothing: vapour respirator, safety/splash goggles, chemical resistant protective suit, butyl rubber gloves and chemical resistant safety boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colourless liquid, with a slight, sharp smell

Boiling Point: 82.22 deg C

Melting Point: -88.5 deg C

Flash Point: Not known

Vapour Pressure: 33 mm Hg

Vapour Density (Air = 1): 2.08

Flammability Limits: LEL: 2 UEL: 12

Specific Gravity: 0.79

pH (1% dispersion): 7

Solubility in water: Soluble in all proportions

Corrosiveness: Non corrosive

10. STABILITY AND REACTIVITY

Stability: Stable when stored under normal conditions

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: (LD50): 5045mg/kg (rat)
Acute dermal toxicity: (LD50): 12800mg/kg (rabbit)
Acute toxicity of vapour: (LC50): 16970ppm 4 hours (rat)

Acute Health Effects:

Ingested: Very hazardous in case of ingestion.

Eye: Hazardous in case of eye contact (irritant)

Skin: Hazardous in case of skin contact (irritant, sensitiser, permeator). Skin inflammation is characterised by itching, scalling, reddening or occasionally, blistering.

Inhaled: Hazardous in case of inhalation.

Chronic: Repeated or prolonged exposure is not known to aggravate medical conditions.

12. ECOLOGICAL INFORMATION

Ecotoxicity in water (LC50): 467923.1 ppm 96 hours [Brown Shrimp]
BOD5 and COD: The COD is 52mg/kg [hour.day(s)] BOD5: 58% theoretical at 20 deg C in 5 days.

13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority.

14. TRANSPORT INFORMATION

UN Number: 1219

Proper Shipping Name: ISOPROPANOL (ISOPROPYL ALCOHOL)

Dangerous Goods Class: 3

Subsidiary risk: N/A

Packing Group: II

Hazchem Code: 2[Y]E

Road and Rail Transport: Classified as a Class 3 (Flammable Liquid) dangerous good for the purpose of transport by road and rail.

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15. REGULATORY INFORMATION

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Poisons Schedule: N/A

16. OTHER INFORMATION

This S.D.S. is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue.

All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since ADVANCE CHEMICALS can not anticipate or control the conditions under which this information can be used, each user should review this information in the specific context of the intended application.

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