

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: Isopropyl Alcohol
Product Code: IPA
Product Use: Industrial chemical
New Zealand Supplier: Car Clean Products NZ Limited
Address: 33 Ha Crescent, Wiri,
Auckland 2104
New Zealand
Telephone: 09 25000 91
Fax Number: 09 25000 92
Email: sales@pacer.co.nz

Emergency Telephone Number: 0800 POISON (0800 764 766)
Date of MSDS Preparation: August 2024

Section 2. Hazards Identification

Classification: Flammable liquid Category 2
Eye irritation Category 2
GHS Signal Word: DANGER
GHS Hazard Statements: H225 Highly flammable liquid and vapour
H319 Causes serious eye irritation
GHS Pictogram:



Precautionary Statements:

Prevention:

- P210 Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.,
- P240 Ground/bond container and receiving equipment.,
- P241 Use explosion-proof equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.



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- P264+P265 Wash hands thoroughly after handling. Do not touch eyes.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

Response:

- P303+P361+P353 IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].
 P370+P378 In case of fire: Use Water spray, water fog or fine mist, alcohol foam to extinguish.
 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+P317 If eye irritation persists: Get medical help.

Storage:

- P403+P235 Store in a well-ventilated place. Keep cool.

Disposal:

- P501 Dispose of contents/container in accordance with local/regional/international regulations.

Potential Health Effects:

- Swallowed The single lethal dose for humans is approx. 250ml, however 100ml can be fatal. Symptoms of overexposure include: flushing, pulse rate decrease, blood pressure lowering, anaesthesia, narcosis, headaches, dizziness, mental depression nausea.
- Eyes Irritating to the eyes and can cause corneal burns.
- Skin Irritating to the skin with prolonged exposure. It may result in dryness and cracking.
- Inhalation Irritating to the respiratory tract. In high doses, this product has narcotic effects.

Section 3. Composition / Information on Ingredients

Ingredients	Proportion (% mass)	CAS Number
Isopropanol	100	67-63-0

Section 4. First Aid Measures

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Routes of Exposure:

Eye	Hold eyes open and flush with water for at least 15 minutes.
Skin	Immediately remove contaminated clothing and wash skin and clothes thoroughly with running water.
Ingestion	Do not induce vomiting. Give nothing by mouth. If patient continues to be distressed seek medical attention immediately.
Inhalation	Remove to fresh air. If breathing is difficult seek medical attention immediately.

Section 5. Fire Fighting Measures

Suitable Extinguishing media	Water spray, water fog or fine mist, alcohol foam.
Fire and Explosion hazards	Flammable liquid. Vapour accumulation could flash and/or explode if ignited.
Fire Fighting Instructions	Fire fighters must use recommended protective equipment and self-contained breathing apparatus. Hazchem Code 2[Y]E

Section 6. Accidental Release Measures

Land Spill or Leaks	Evacuate spill area and eliminate all ignition sources. Report spill to fire brigade. If possible, remove leaking containers to a detached area wearing approved respirator and personal protection equipment. Bund spill area with inert material. Avoid contact with skin and eyes. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Evacuate the area of all non-essential personnel. Shut off leaks if possible without personal risk. Wear full-face respirator with canister and filter.
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Section 7. Handling and Storage

Handling Advice:	Store away from heat and open flames. Store at ambient temperatures. Keep containers tightly closed and in a well-ventilated place.
Storing Procedures:	Store away from heat and open flames. Store at ambient temperatures. Keep containers tightly closed and in a well-ventilated place. Do not store alongside food or feedstuffs.

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Section 8 Exposure Controls / Personal Protection

Engineering Controls:	Use only in well-ventilated area. Eliminate sources of static buildup. Earth bulk containers.
Personal Protective Equipment:	Wear half face respirator with organic vapour cartridge with built-in particulate filter NPF20 (gas only). Chemical monogoggles, PVC gloves, chemical resistant safety shoes or boots and standard issue work clothes should be worn.

Section 9 Physical and Chemical Properties

Appearance:	Clear liquid
Odour:	Sharp hydrocarbon smell
Odour threshold	Data not available
pH	N/A
Melting/Freezing point	Data not available
Initial boiling point/range	82°C
Flash point	12°C
Flammability	Data not available
Upper/Lower flammability limits	Data not available
Vapour pressure	4.3kPa
Vapour density	Data not available
Relative density	0.785 @ 15°C
Solubility in water, % mass:	Miscible with water
Partition coefficient	Data not available
Auto-ignition temperature	>350°C
Decomposition temperature	Data not available
Kinematic viscosity	Data not available
Particle characteristics	Data not available

Section 10. Stability and Reactivity

Chemical Stability	Stable at room temperature and pressure.
Conditions to Avoid	Sources of heat and ignition, open flames.
Incompatibility	Stored mixtures with MEK produce explosive peroxides. Increased rate of peroxide formation with

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isobutanol. Peroxide production sharply decreases the Autoignition Temperature. Violent explosive reactions with metal oxides, oxidizing agents, halogenate.

Hazardous Decomposition Products: No decomposition products except in fire then carbon dioxide and carbon monoxide.

Section 11 Toxicological Information

Acute Oral Toxicity The single lethal dose for humans is approx. 250ml, however 100ml can be fatal.

Acute Dermal Toxicity Acute dermal LC50 (rat) expected to be >5 mg/l.

Long term Effects Acute inhalation LC50 (rat) expected to be > 5 mg/l. May cause headache, dizziness, nausea and narcosis.

Toxicological Data Questionable carcinogen. Mutation data reported.

Section 12. Ecotoxicological Information

Environmental Precautions:

Ecological Toxicity: Volatilises in air.

Environmental Fate:

Soil Product is highly volatile and will rapidly evaporate to the air.

Water As for soil.

Environmental Exposure Limits: EEL_{water} Not set.

Section 13. Disposal Considerations

Disposal Methods Dispose of waste at an appropriate waste disposal facility in accordance with local authority bylaws. Empty and open containers can retain vapour residues for long periods of time risking unintended ignition or explosion. Puncture or crush before sending to a landfill.

Section 14 Transport Information

Road. Rail. Marine and Air Transport:



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UN No : 1219
DG Class : 3
Packing Group : II
Shipping Name : Isopropyl Alcohol

Section 15 Regulatory Information

HSNO approval code: HSR001180

Section 16 Other Information

Under the HSNO Regulations, for quantities held on a site over ;

- 250L in containers > 5L or
500 L in containers < 5L a certificated approved handler is required to be available
 - 100L in containers > 5L or 250 L in containers < 5L, or 50L continuously open a Location Test Certificate for storage is required
 - 250L hazchem site signage is required
- 250L an emergency response plan is required

Packaged in 4lt, 20lt & 200lt containers. Codes: IPA4, IPA20, IPA9

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand proprietor, Car Clean Products NZ Limited, Phone: 09 250 0091, if further information is required.



SAFETY DATA SHEET ISOPROPYL ALCOHOL

PURPOSE:

Isopropyl Alcohol is used for industrial cleaning applications **except** for use on thermoplastic materials.

DIRECTIONS:

Cleaning: Spray onto surface, agitate to clean and then wipe off with a clean cloth or allow to evaporate.

WARNING:

Harmful if swallowed, inhaled or absorbed through skin. May cause skin and eye irritation.

DANGER:

GIVES OFF HIGHLY FLAMMABLE VAPOUR.

Keep well away from heat, sparks and open flame. Keep closed when not in use.

KEEP OUT OF REACH OF CHILDREN.