



Car Clean Products NZ Limited
 Ph + 64 9 250 0091 - Fax + 64 9 250 0092 - www.pacer.co.nz
 33 Ha Crescent, Wiri - P O Box 97 948 - Manukau - Auckland 2241 - New Zealand

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

Telephone: 09 250 0091
 Fax Number: 09 250 0092

Emergency Telephone: 0800 POISON (0800 764 766)

Date of MSDS Preparation: February 2019

Section 2. Composition / Information on Ingredients

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

Section 3. Hazards Identification

Harmful if swallowed. Harmful if inhaled. Causes eye irritation. May cause an allergic skin reaction. Extremely flammable liquid and vapour.
 This product is classified as hazardous under HSNO criteria.

Potential Health Effects



DANGER

H224 Extremely flammable liquid and vapour
H302 Harmful if swallowed
H332 Harmful if inhaled

H317 May cause an allergic skin reaction

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 4. First Aid Measures

Routes of Exposure:

Eye	Hold eyes open and flush with water for at least 15 minutes. Seek medical attention immediately
Skin	Immediately remove contaminated clothing and wash skin and clothes thoroughly with running water.
Ingestion	Do not induce vomiting. Rinse mouth with water. If victim not breathing begin artificial respiration. Obtain medical attention.
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
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personal risk. Wear full-face respirator with canister and filter

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.

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

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

UN No : 1219
Class-primary : 3
Packing Group : II

Proper Shipping Name: : Isopropyl Alcohol

Section 15 Regulatory Information

Primary HSNO Class 3.1B,
Subsidiary classes 6.1E, 6.3B, 6.4A
ERMA Approval No 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.



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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.