SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: **ISOPROPYL ALCOHOL (IPA)**

Recommended Use: Solvent raw material for cleaning products, use in surface coatings, in cosmetics

Supplier: Solvent Supplies Ltd
Address: PO Box 258 031, Botany, Auckland 2163

Telephone: (+64) 9 273 3753
Website: www.solventsupplies.co.nz

Emergency phone: 0800 273327
National Poisons Centre: 0800 POISON [0800 764 766]

2. HAZARDS IDENTIFICATION

Hazardous Nature:
This product is classified as hazardous under GHS (7th revised edition) in accordance with the New Zealand Hazardous Substances (Hazard Classification) Notice 2020.

GHS Classifications:
flammable liquids Category 2, aspiration hazard Category 1, eye irritation Category 2

GHS Pictograms:



Signal word: **DANGER**

Hazard Statements:
H225: Highly flammable liquid and vapour
H304: May be fatal if swallowed and enters airways
H319: Causes serious eye irritation

Prevention Statements:
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 [electrical/ventilating/lighting/etc.] equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

Response Statements:
P331: Do NOT induce vomiting.
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353: IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water.
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 dry chemical or foam to extinguish.

Storage Statements:
P405: Store locked up.
P403 + P235: Store in a well-ventilated place. Keep cool.

Disposal Statements:
P501: Dispose of product and containers in accordance with local regulations.

3. COMPOSITION INFORMATION

Chemical Ingredient	CAS No.	Proportion (%)
Isopropyl alcohol	67-63-0	100

4. FIRST AID MEASURES

For advice, contact National Poison Centre (0800 POISON: 0800 764 766) or a doctor.
Have product container or label available.

Swallowed
If swallowed, do NOT induce vomiting. Rinse mouth. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Obtain immediate medical attention.

Skin Contact
If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists, get medical attention.

Eye Contact
Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Remove contact lenses if present and easy to do, after the first 5 minutes and continue rinsing. Get medical attention if irritation persists.

Inhalation
Move the victim to fresh air immediately. Keep warm and at rest until recovered. Get medical attention is symptoms continue.
Begin artificial respiration if breathing has stopped. Get immediate medical attention.

First Aid facilities
Provide eye baths and safety showers close to areas where splashing may occur.

Medical Attention
Treat according to symptoms. Gastric lavage may be indicated if ingested. Any product aspirated during vomiting may produce lung injury.

5. FIRE FIGHTING MEASURES

Flashpoint: 12^0C
Flammable limits: LFL: 1.8% UFL: 12.0%

Extinguishing media:
Dry chemical or foam.

Fire & Explosion hazards:
Liquid and vapours are highly flammable. Do not breathe smoke, gases or vapours generated in a fire.
Expansion or decomposition of containers may lead to violent rupture of containers.

Firefighting Equipment:
Full protective clothing and self-contained breathing apparatus (SCBA).

In event of fire:
- Alert Fire Bridge (111); advise location and nature of hazard.

- Wear breathing apparatus and protective gloves.
- Shut off product that may 'fuel' a fire if safe to do so.
- If safe, switch off electrical equipment until vapour hazard removed.
- Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet.
- Prevent product and extinguishing media from escaping to drains and waterways.

Hazards from combustion products:
Carbon dioxide, carbon monoxide.

Hazchem Code: ●2YE

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures & Containment:
Refer to "Fire Fighting Measures", "First Aid Measures" and "Stability and Reactivity"
Minor spills

- Remove or eliminate all ignition sources.
- Clean up spills immediately.
- Avoid breathing vapours and contact with skin and eyes.
- Wear personal protective equipment.
- Contain and absorb small quantifies with vermiculite or other absorbent material.
- Collect residues and waste material in a labeled container suitable for flammables.
- Seal container and dispose of safely.

Major spills

- Clear area of personnel and move upwind.
- Alert Fire Bridge (111); advise location and nature of hazard.
- Wear breathing apparatus plus protective gloves.
- Stop leak if safe to do so.
- Contain spill with sand, earth or vermiculite.
- Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.
- Eliminate sources of ignition, naked lights. No smoking.
- Increase ventilation.
- Water spray or fog may be used to disperse/absorb vapour.
- Use only spark-proof tools, e.g. shovels, and explosion proof equipment, e.g. pumps.
- Collect recoverable product into labeled contains for recycling.
- Absorb remaining product with sand, earth or vermiculite.
- Collect solid residues and seal in labeled drums for disposal.
- Wash area and prevent run off into drains.
- If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority.

7. HANDLING AND STORAGE

Precautions for safe handling:
Read product label before use.

This product is highly flammable. Do not open near open flame, sources of heat or ignition.
No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static discharge. Use grounding leads to avoid discharge (electrical spark) spark-free tools and equipment suitable for flammables. Do not use plastic buckets.

Use outdoors or in well-ventilated area. Wear personal protective equipment. Wash hands with soap and water after handling. Wash protective clothing separate to household laundry.

Conditions for safe storage:
Keep out of reach of children. Store in a cool, dry place away from direct sunlight. This product will fuel a fire in progress. Check containers periodically for leaks or distortion.

Incompatible materials:
Natural rubber, butyl rubber, EDPM, polystyrene.

8. EXPOSURE CONTROLS : PERSONAL PROTECTION

Health Exposure Standards:
A Workplace Exposure Standard (WES) has been set by Worksafe New Zealand for this product.

	WES-TWA	WES-STEL
Isopropyl alcohol	400 ppm (983 mg/m^3)	500 ppm (1230 mg/m^3)

Biological limit values:
None established

Engineering Controls:
Ventilation:
Use product outdoors or in well-ventilated area. The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation in confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment:
Respiratory Protection: Where concentrations in air may exceed the limits described in the Workplace l Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

Eye Protection: Protect eyes from splashes, aerosols or vapour. Always use safety glasses with side shield or goggles where risk of splashing.

Skin/Body Protection:
Gloves recommended to prevent irritant effects and avoid degreasing/drying of skin. Prevent contact with clothes and skin, e.g. wear apron or overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear colourless liquid
Odour	-	Non-characteristic
Flash Point	^{0}C	12
Auto-ignition temperature	^{0}C	>350
Boiling Point	^{0}C	82
Specific gravity @ 20^{0}C	g/ml	0.78 – 0.79
Vapour Pressure @ 20^{0}C	mm Hg	4.3
Vapour Density @ 20^{0}C	kPa	Not available
Alkalinity/acidity (as pH)	-	Not applicable
Solubility in Water	% w/w	Miscible

The values listed are indicative of this product's physical and chemical properties.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at room temperature and pressure.

Conditions to avoid: Sources of heat and ignition, open flames.

Hazardous decomposition products:
No decomposition products except on burning.
See "Fire Fighting Measures" and "Hazardous Reactions".

Hazardous reactions: Oxidizing agents, metal oxides and halogens. If mixed with MEK and stored, will produce explosive peroxides. Also produces peroxides if mixed with butanol. Peroxide formation will decrease the auto-ignition

temperature.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

May be harmful if swallowed. Symptoms of over-exposure include flushes, nausea, vomiting, headaches, dizziness, drowsiness, lowered pulse rate and blood pressure, anesthesia, narcosis, mental depression and coma.

Eye Contact

This product is irritating to eyes and may result in corneal damage if not promptly treated.

Skin Contact

This product is irritating to skin with short term contact. Prolonged or repeated exposure will increase risk of dryness and cracking of skin.

Inhalation

May be irritating to nose and throat. At high doses (400ppm or more), this product will have narcotic effects.

Chronic Effects

Persons with pre-existing liver or kidney conditions must avoid unnecessary exposure as metabolism in body is similar to ethyl alcohol.

Other Health Effects Information:

No additional information.

Toxicological Information:

Isopropyl alcohol	Mouse, oral, LD_{50} 3600 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity:	Product is not identified as being ecotoxic to aquatic life.
Persistence/degradability:	Not expected to be persistent.
Mobility:	This product is highly volatile and will rapidly evaporate.
Other information:	None

Environmental Exposure Standards:

Not set

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Care should be taken to ensure compliance with national, regional and local authority regulations. Packaging may still contain fumes and vapours that are flammable. Ensure that empty packaging is allowed to dry. If not recycled, puncture and crush before disposal to landfill. Do not use containers for storing other products.

14. TRANSPORT INFORMATION

UN Number:	1219
Shipping name:	ISOPROPANOL
Class:	3
Packing group:	II
Hazchem code:	●2YE

Dangerous Goods Segregation

This product is classified as Dangerous Goods Class 3, packing group II.
Please consult NZS 5433:2020 Transport of Dangerous Goods on Land for information.



15. REGULATORY INFORMATION

Country/Region: New Zealand
Inventory: NZIoC
Status: Listed

EPA New Zealand Approval Code: HSR001180; ISOPROPANOL
Refer to www.epa.govt.nz for information on Controls.

16. OTHER INFORMATION

Date of Issue: 27th October, 2026
Reasons for Issue: Update GHS classifications.
Replaces: April 2024

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
AS/NZS	Standards Australia & Standards New Zealand
BCF	Bioconcentration Factor
BEI	Biological Exposure Index
CAS	Chemical Abstracts Service
CCID	Chemical Classification and Information Database
EC50	Effective Concentration, 50 per cent
EPA	Environmental Protection Authority
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
GHS 7	Globally Harmonised System of Classification and Labelling of Chemicals, 7th revised edition, 2017, published by the United Nations
HSNO	Hazardous Substances and New Organisms Act 1996
HSWA	Health and Safety at Work Act 2015
IARC	International Agency for Research on Cancer
IC50	Half Maximal Inhibitory Concentration
LC50	Lethal Concentration, 50 per cent
LD50	Lethal Dose, 50 per cent
LEL	Lower Explosive Limit
LOAEL	Lowest-observed-adverse-effect level
N/R	Not Regulated
NOAEL	No-observed-adverse-effect-level
NOEC	No Observed Effect Concentration
NZIoC	New Zealand Inventory of Chemicals
NZS 5433	New Zealand Standard Transport of Dangerous Goods on Land
OECD	Organisation for Economic Co-operation and Development
STEL	Short-Term-Exposure Limit
TLV	Threshold Limit Value
TWA	Time-Weighted Average
UEL	Upper Explosive Limit
WES	Workplace Exposure Limit

References:
Supplier Safety Data Sheets
EPA website: www.epa.govt.nz

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Solvent Supplies Ltd.

END OF SAFETY DATA SHEET