



MATERIAL SAFETY DATA SHEET

ISOPROPYL ALCOHOL 70% UNTINTED

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1. Identification of the Product and Company

Product Name:	ISOPROPYL ALCOHOL 70% UNTINTED
Product Code:	ISO01836F
Other Names:	Isopropanol
Use:	Isopropyl Alcohol is a bactericidal hospital grade disinfectant suitable for general purpose disinfection and hospital equipment or surfaces not likely to come into contact with broken skin. Do not use on therapeutic devices.
Company Name & Contact Details	Drug Information Pharmacist ORION Laboratories Pty Ltd ABN 56 009 293 136 25-29 Delawney Street, Balcatta, Western Australia 6021 AUSTRALIA Telephone (all hours): +618 9441 7800 FREE PHONE: 1800 805 546 FREE FAX: 1800 004 110 EMAIL: customerservice@orion.net.au; WEBSITE: www.orion.net.au ORION® is a registered trademark of Orion Laboratories Pty Ltd
Other Information	All reasonable care has been taken to ensure information and advice contained in this data sheet is accurate at time of printing. However, Orion accepts no liability for any loss or damages suffered as a consequence of reliance on the information contained herein.

2. Hazards Identification

Hazard Classification	HAZARDOUS SUBSTANCE – DANGEROUS GOOD DG Class 3 Packaging Group II
Risk phrase(s)	R11 – Highly flammable; R66 – Repeated exposure may cause skin dryness and cracking. R20/22 – Harmful by inhalation and if swallowed. R35/38 – Irritating to eyes and skin
Safety phrase(s)	S16 – Keep away from sources of ignition; S23 – Do not breathe vapour S33 – Take precautionary measures against static discharges. S7/9 – Keep container tightly closed and in a well ventilated place. S24/25 – Avoid contact with skin and eyes.; S36/37/39 – Wear suitable protective clothing/ gloves and eye/face protection.; S45 – In case of accident or if you feel unwell seek medical advice immediately (show the label whenever possible.)

3. Composition/Information on Ingredients

Chemical Entity	CAS No:	Proportion
Isopropyl Alcohol (Isopropanol)	67-63-0	70% v/v
Water, Purified	7732-18-5	to 100%

Isopropanol is listed on the Australian Inventory of Chemical Substance (AICS)

4. First Aid Measures

If poisoning occurs, contact a doctor of Poisons Information Centre.

Inhalation:	Remove patient to fresh air and seek medical advice if necessary. If breathing should stop, apply artificial respiration immediately. If there are signs of intoxication, irritation, dizziness or nausea seek medical attention.
Ingestion:	Give plenty of water to drink. Seek medical attention. Do not attempt to induce vomiting or give anything by mouth to an unconscious person.
Skin:	Wash with water. Remove contaminated clothing. If irritation occurs or contact has been prolonged, seek medical advice. Launder clothing before re-use.
Eye:	Flush the eyes with gently running water for at least 15 minutes (hold eyes open). Seek medical attention promptly.
Advice to Doctor:	Treat symptomatically as for narcotic substance. If respiration is depressed, assisted respiration may be necessary.

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5. Fire Fighting Measures

Specific Hazards	Highly flammable liquid. May form flammable mixtures with air. Burns with a colourless flame. Vapour is heavier than air and may travel along the ground. Distant ignition is possible. Run off to sewers and drains may cause explosions. Avoid all ignition sources. Avoid pooling on surfaces.
Extinguishing Media	Water fog; alcohol stable foam (large fires); carbon dioxide, dry chemical powder (small fires).
Hazards from Combustion products	Burning can produce carbon monoxide and/or carbon dioxide
Precautions & Equipment for Fire Fighters	On burning may emit toxic fumes including carbon monoxide and carbon dioxide. Remove containers from path of fire. Heating can cause expansion and rupture of containers. Keep containers cool with water spray. Fire fighters should wear self-contained breathing apparatus with full face mask and protective clothing if exposure to vapour or combustion products is likely. Vapour is heavier than air and may travel along the ground. Distant ignition is possible.
Hazchem Code	2[Y]E

6. Accidental Release Measure

Spills and Disposal	Eliminate all possible sources of ignition – no smoking. Take precautionary measures against static discharges. Ventilate area well. In case of large spills, wear protective clothing to prevent skin & eye contact and inhalation of vapours. Contain using sand or earth and use an inert absorbent (sand, vermiculite) where appropriate. Collect and seal in properly labelled containers for disposal. Wash area down with excess water. At very low concentration, this product is biodegradable. Spills can be converted to non-flammable waste by dilution with water.
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7. Handling and Storage

Safe Handling Practices	UN number 1219. Classified 3 PGII (Highly Flammable Liquid). Dangerous substance for the purpose of transport. Refer to appropriate State Regulations for storage and transport requirements. Rinse empty containers with water prior to disposal or re-cycling.
Storage	Should not be stored or transported with flammable gases, explosives, spontaneously combustible substances, oxidising agents, halogens, aldehydes or foodstuffs. Store away from sources of heat or ignition. Store below 25°C. Store in a cool, well-ventilated area and keep containers closed, which are not in use, to avoid evaporation.

8. Exposure Controls; Personal Protection

Exposure Limits:	There are no known exposure limits for Isopropyl Alcohol 70% but the following Threshold Limit Values (TLV) for Isopropyl Alcohol 100% should be used: Isopropyl Alcohol TLV 400ppm (983mg/m ³) TWA, OSHA & ACGIH; 500ppm STEL, OSHA & ACGIH TWA Time-weighted average airborne concentration per 8 hour working day per 5 day working week over an entire working life. STEL Short term exposure limit - average airborne concentration per 15-minute period.
Engineering Controls	Local and or mechanical (general) exhaust, fitted with flame and explosion proof electrical fittings. Use with adequate ventilation at all times.
Personal Protection	Avoid eye contact. If spillage or splashing is likely to occur during handling, wear splash resistant goggles or face shield (AS/NZS 1336). Use protective gloves – rubber, nitrile PVC or neoprene (AS 2161). Wash hands thoroughly after use. Do not smoke or eat whilst handling. No respiratory protection is necessary under normal circumstances. Maintain concentration below recommended exposure limit and use adequate ventilation at all times. In high vapour concentration such as empty vessels or confined space, use air supplied hood, or if concentration likely to exceed 500ppm, wear

