

SAFETY DATA SHEET ISOPROPYL ALCOHOL REVISION 5, DATE 18 MAY 22

1. IDENTIFICATION

Product	Isopropyl Alcohol
Name Other	IPA; Isopropanol
Names	For industrial use - Cosmetic use: Cosmetics, hair sprays and colours. Commercial use: A solvent; an industrial detergent; a dry cleaning agent; fuel and lubricant additives; welding and soldering agents. Domestic use: Printing inks and surface coatings; adhesives; cleaning/washing agents, including in domestic detergents; and colouring agents. Site-limited use: As a chemical intermediate; and in analytical laboratory work.
Uses	Non-industrial use: As a solvent in pharmaceutical products.
Chemical Family	No Data Available
Chemical Formula	C ₃ H ₈ O
Chemical Name	2-Propanol
Product Description	No Data Available

Contact Details of the Supplier of this Safety Data Sheet

Organisation
SOAPMAID

Telephone +61-
0411 157 311



Emergency Contact Details

For emergencies only; DO NOT contact these companies for general product advice.

Organisation	Location	Telephone
Poisons Information Centre	Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887



2. HAZARD IDENTIFICATION

Poisons Schedule (Aust) Not Scheduled

Globally Harmonised System

Hazard Classification Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Hazard Categories
 Flammable Liquids - Category 2
 Serious Eye Damage/Irritation - Category 2A
 Specific Target Organ Toxicity (Single Exposure) - Category 3

Pictograms

Signal Word Danger

Hazard Statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Precautionary Statements	Prevention	P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.	
		P233	Keep container tightly closed.	
		P240	Ground and bond container and receiving equipment.	
		P241	Use explosion-proof electrical/ventilating/lighting and all other equipment.	
		P242	Use non-sparking tools.	
		P243	Take action to prevent static discharges.	
		P261	Avoid breathing fumes/gas/mist/vapours/spray.	
		P271	Use only outdoors or in a well-ventilated area.	
		P280	Wear protective gloves/eye protection/face protection.	
		Response	P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
			P304 + P340	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
			P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
			P312	Call a POISON CENTER or doctor if you feel unwell.
		Storage	P337 + P313	If eye irritation persists: Get medical attention.
P370 + P378	In case of fire: Use carbon dioxide (CO ₂), dry chemical, alcohol resistant foam or water spray for extinction.			
P403 + P235	Store in a well-ventilated place. Keep cool.			
Disposal	P405	Store locked up.		
	P501	Dispose of contents/container in accordance with local / regional / national / international regulations.		

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification

Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

3. COMPOSITION/INFORMATION ON INGREDIENTS*Ingredients*

Chemical Entity	Formula	CAS	Proportio
2-Propanol	No Data Available	Number 67-63-0	n <=100 %

4. FIRST AID MEASURES*Description of necessary measures according to routes of exposure*

SwallowedIF SWALLOWED: Rinse mouth with water. Do NOT induce vomiting. Call a Poison Centre or doctor/physician for advice. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration. Never give anything by mouth to an unconscious person.

EyeIF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.

SkinIF ON SKIN (or hair): Remove and isolate contaminated clothing and shoes. Immediately flush skin and hair with running water for at least 15 minutes. Wash skin with soap and water. Call a Poison Centre or doctor/physician for advice. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse.

*In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.

InhaledIF INHALED: Remove victim to fresh air and keep warm and at rest in a position comfortable for breathing. Remove contaminated clothing and loosen remaining clothing. Call a Poison Centre or doctor/physician for advice. Give artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.

Advice to DoctorShow this safety data sheet (SDS) to the doctor in attendance. Treat symptomatically. Keep victim calm and warm. Effects of exposure (inhalation, ingestion or skin contact) to substance may be delayed.

*Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Medical Conditions Aggravated by Use of alcoholic beverages enhances the harmful effect.

Exposure**5. FIRE FIGHTING MEASURES****General Measures**

Move containers from fire area if you can do it without risk. Cool containers with water spray until well after fire is out. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles; this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. ALWAYS stay away from tanks engulfed in fire!

*Public Safety Hazard: Effects may spread beyond the immediate vicinity. All non-essential personnel should be instructed to move at least 250 metres away from the incident. People should be warned to stay indoors with all doors and windows closed, preferably in rooms upstairs and facing away from the incident. Ignition sources should be eliminated and any ventilation stopped.

Flammability

HIGHLY FLAMMABLE LIQUID & VAPOUR: Will be easily ignited by heat, sparks or flames.

Conditions

Use dry chemical, Carbon dioxide (CO₂), alcohol-resistant foam or water spray for extinction – Do not use a solid water stream as it may scatter or spread fire. Alcohol resistant foam is the preferred firefighting medium but, if it is not available, fine water spray can be used.

Extinguishing Media

*CAUTION: This product has a very low flash point: Use of water spray when fighting fire may be inefficient.

Fire and Explosion Hazard	Risk of violent reaction or explosion! Vapours may form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air. They will spread along ground and collect in low or confined areas. Vapour explosion hazard indoors, outdoors or in sewers. Containers may explode when heated. Many liquids are lighter than water. Fire exposed containers may vent contents through pressure relief valves, thereby increasing fire intensity and/or vapour concentration. *Vapours may cause dizziness or suffocation; May cause toxic effects if inhaled or absorbed through skin.
Hazardous Products of Combustion	Fire will produce irritating, corrosive and/or toxic gases.
Special Fire Fighting Instructions	Contain runoff from fire control or dilution water - Runoff may cause pollution. Runoff to sewer may create fire or explosion hazard!
Personal Protective Equipment	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
Flash Point	12 °C
Lower Explosion Limit	2 %
Upper Explosion Limit	12 %
Auto Ignition Temperature	No Data Available
Hazchem Code	•2YE

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure Ensure adequate ventilation - Ventilate enclosed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flame). All equipment used when handling the product must be earthed. Do not touch or walk through spilled material. Avoid breathing vapours and contact with eyes, skin and clothing.

Clean Up Procedures Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean, non-sparking tools to collect absorbed material. Adhered or collected material should be promptly disposed of in accordance with appropriate laws and regulations (see SECTION 13).

Containment Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Dike far ahead of large spill for later disposal.

*Beware of vapours accumulating to form explosive concentrations. Vapour-suppressing foam may be used to reduce vapours. Water spray may reduce vapour, but may not prevent ignition in closed spaces.

Decontamination No information available.

Environmental Precautionary Measures Spillages and decontamination runoff should be prevented from entering drains and watercourses.

Evacuation Criteria Spill or leak area should be isolated immediately. Keep upwind and to higher ground. Keep unauthorised personnel away.

*Large spill: Consider initial downwind evacuation for at least 300 meters.

Personal Precautionary Measures Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

7. HANDLING AND STORAGE

Handling Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation - Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing mist/vapours/spray and contact with eyes, skin and clothing. Do not ingest. Wear protective gloves/protective clothing/eye protection/face protection (see SECTION 8). HIGHLY FLAMMABLE LIQUID: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/lighting/ventilating equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Vent container carefully before opening.

Storage Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep containers tightly closed when not in use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Keep away from incompatible materials (see SECTION 10). Store locked up.

Container

Keep in the original container.

*Empty containers retain residue and/or vapour and may be dangerous. Do not cut, weld, braze solder, drill, grind or expose such containers to heat, flames, sparks, or other ignition sources.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**General**

For Isopropyl alcohol (CAS No. 67-63-0):

- Safe Work Australia Exposure Standard: TWA = 400 ppm (983 mg/m³); STEL = 500 ppm (1,230 mg/m³).
- New Zealand Workplace Exposure Standard [Next review 2023]: TWA = 400 ppm (983 mg/m³); STEL = 500 ppm (1,230 mg/m³).
- NIOSH REL/OSHA PEL: TWA = 400 ppm (980 mg/m³); STEL = 500 ppm (1,225 mg/m³).
- Immediately dangerous to life or health (IDLH) concentration: 2,000 ppm.

Exposure Limits

No Data Available

Biological Limits

No information available.

Engineering Measures

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

*Use explosion-proof electrical/lighting/ventilating equipment.

Personal Protection Equipment

- Respiratory protection: Wear respiratory protection in case of inadequate ventilation or when vapour/aerosols are generated. Recommended: Filter type: A (organic vapour).
- Eye/face protection: Wear appropriate eye protection to prevent eye contact. Recommended: Goggles; do not wear contact lenses when handling this product.
- Hand protection: Wear protective gloves. Recommended: Impervious, solvent-resistant gloves.
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Impervious apron and work boots where splashing may occur.

Special Hazards
Precautions Work Hygienic Practices

No information available.

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear liquid
Odour	Strong alcohol odour
Colour	Colourless
pH	No Data Available 4.4
Vapour Pressure	kPa (@ 20 °C)
Relative Vapour Density	2.1 Air = 1
Boiling Point	82 - 83 °C
Melting Point	No Data Available
Freezing Point	No Data Available
Solubility	Miscible with water
Specific Gravity	0.78 - 0.79
Flash Point	12 °C
Auto Ignition Temp	No Data Available
Evaporation Rate	2.4 (Butyl acetate = 1)
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available

Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	No Data Available
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	100 %
VOC Volume	No information available.
Additional Characteristics	Not applicable.
Potential for Dust Explosion	Risk of violent reaction or explosion!
Fast or Intensely Burning Characteristics	No information available.
Flame Propagation or Burning Rate of Solid Materials	No information available.
Non-Flammables That Could Contribute Unusual Hazards to a Fire	
Properties That May Initiate or Contribute to Fire Intensity	HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Fire will produce irritating, corrosive and/or toxic gases.
Reactions That Release Gases or Vapours	Vapours may form explosive mixtures with air.
Release of Invisible Flammable Vapours and Gases	

10. STABILITY AND REACTIVITY

General Information	Reacts with strong oxidants. Attacks some plastics and rubber.
Chemical Stability	Stable.
Conditions to Avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
Materials to Avoid	Incompatible/reactive with strong oxidisers, acetaldehyde, chlorine, ethylene oxide, acids, isocyanates.
Hazardous Decomposition Products	Fire will produce irritating, toxic and/or corrosive gases. Under incomplete combustion conditions, oxides of Carbon and Nitrogen.
Hazardous Polymerisation	Will not occur.

11. TOXICOLOGICAL INFORMATION

General Information	<ul style="list-style-type: none"> - Acute toxicity: Low degree of toxicity by ingestion; May cause abdominal pain, nausea, vomiting, unconsciousness. Low to moderate degree of toxicity by inhalation. - Skin corrosion/irritation: Contact with skin may result in irritation. The substance may defat the skin, which may cause dryness or cracking. - Eye damage/irritation: Causes serious eye irritation, redness. - Respiratory/skin sensitisation: This material has been classified as not a respiratory sensitiser. This material has been classified as not a skin sensitiser. - Germ cell mutagenicity: No information available.
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- Carcinogenicity: Isopropyl alcohol (CAS No. 67-63-0) is classified in Group 3 of the IARC Monographs: Not classifiable as to its carcinogenicity to humans.
- Reproductive toxicity: No information available.
- STOT (single exposure): May cause irritation to the upper respiratory tract and may cause headache, drowsiness or dizziness (CNS depression).
- STOT (repeated exposure): No information available.
- Aspiration toxicity: Risk of aspiration, pneumonia (chemical pneumonitis).

Acute Ingestion	Acute toxicity (Oral): - LD50, Rat: 5,045 mg/kg
Other	Acute toxicity (Dermal): - LD50, Rabbit: 12,800 mg/kg
Inhalation	Acute toxicity (Inhalation): - LC50, Rat: 16,000 ppm (8 h)
Carcinogen Category	None

12. ECOLOGICAL INFORMATION

Ecotoxicity	Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L Long-term aquatic hazard: This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4. Readily biodegradable.
Persistence/Degradability	No information available.
Environmental Mobility	Prevent entry into soils, drains and waterways.
Environmental Fate	No information available.
Bioaccumulation	No Data Available
Potential Environmental Impact	

13. DISPOSAL CONSIDERATIONS

General Information	Dispose of by controlled incineration and in accordance with local/regional/national regulations.
Special Precautions for Land Fill	Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used (see SECTION 8).

14. TRANSPORT INFORMATION

Land (Australia) ADG Code	Transport	
Proper Name Class	Shipping	ISOPROPANOL (ISOPROPYL ALCOHOL) 3
Subsidiary Risk(s)		Flammable Liquids
EPG		No Data Available
UN Number		16 Liquids - Highly Flammable, Toxic
		1219

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Hazchem •2YE
Pack Group II
Special Provision No Data Available

Land Transport (Malaysia) ADR Code

Proper Shipping Name Class ISOPROPANOL (ISOPROPYL ALCOHOL) 3
 Flammable Liquids
Subsidiary Risk(s) No Data Available
EPG 16 Liquids - Highly Flammable, Toxic
UN Number 1219
Hazchem 2YE
Pack Group II
Special Provision No Data Available

Land Transport (Mexico) NOMs

Proper Shipping Name Class ISOPROPANOL (ISOPROPYL ALCOHOL)
 3 Flammable Liquids
Subsidiary Risk(s) No Data Available
ERG 129 Flammable Liquids (Polar / Water-Miscible /
 Noxious)
UN Number 1219
Hazchem •2YE
Pack Group II
Special Provision No Data Available

Land Transport (New Zealand) NZS5433

Proper Shipping Name Class ISOPROPANOL (ISOPROPYL ALCOHOL) 3
 Flammable Liquids
Subsidiary Risk(s) No Data Available
EPG 16 Liquids - Highly Flammable, Toxic
UN Number 1219
Hazchem 2YE
Pack Group II
Special Provision No Data Available

Land Transport (United States of America) US DOT

Proper Shipping Name Class ISOPROPANOL (ISOPROPYL ALCOHOL)
 3 Flammable Liquids
Subsidiary Risk(s) No Data Available
ERG 129 Flammable Liquids (Polar / Water-Miscible /
 Noxious)
UN Number 1219
Hazchem •2YE
Pack Group II
Special Provision No Data Available

Sea**Transport**

IMDG Code	ISOPROPANOL (ISOPROPYL ALCOHOL) 3
Proper Shipping	
Name Class	Flammable Liquids
Subsidiary Risk(s)	No Data Available
UN Number	1219
Hazchem	2YE
Pack Group	II
Special Provision	No Data Available
EMS	F-E, S-D
Marine Pollutant	No

Air**Transport**

IATA DGR	ISOPROPANOL (ISOPROPYL ALCOHOL) 3
Proper Shipping	
Name Class	Flammable Liquids
Subsidiary Risk(s)	No Data Available
UN Number	1219
Hazchem	2YE
Pack Group	II
Special Provision	No Data Available

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

15. REGULATORY INFORMATION

General Information No Data Available
Poisons Schedule (Aust) Not Scheduled

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code HSR001180 (Reissued)

National/Regional Inventories

Australia (AIC) Listed
Canada (DSL) Listed
Canada (NDSL) Not Listed

China (IECSC)	Listed
Europe (EINECS)	200-661-7
Europe (REACH)	Listed
Japan (ENCS/METI)	2-207
Korea (KECI)	KE-29363
Malaysia (EHS Register)	Listed
New Zealand (NZIoC)	Listed
Philippines (PICCS)	Listed
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Listed
USA (TSCA)	Listed

16. OTHER INFORMATION

Related Product Codes

ISPRAL0200, ISPRAL0300, ISPRAL0400, ISPRAL0500, ISPRAL0501, ISPRAL0502, ISPRAL0505, ISPRAL0510, ISPRAL0515, ISPRAL0520, ISPRAL0600, ISPRAL0601, ISPRAL0602, ISPRAL0603, ISPRAL0700, ISPRAL0701, ISPRAL0800, ISPRAL0810, ISPRAL1000, ISPRAL1001, ISPRAL1002, ISPRAL1003, ISPRAL1004, ISPRAL1005, ISPRAL1006, ISPRAL1007, ISPRAL1008, ISPRAL1009, ISPRAL1010, ISPRAL1011, ISPRAL1012, ISPRAL1013, ISPRAL1014, ISPRAL1015, ISPRAL1016, ISPRAL1017, ISPRAL1018, ISPRAL1019, ISPRAL1020, ISPRAL1021, ISPRAL1022, ISPRAL1023, ISPRAL1024, ISPRAL1025, ISPRAL1026, ISPRAL1027, ISPRAL1028, ISPRAL1029, ISPRAL1030, ISPRAL1031, ISPRAL1032, ISPRAL1033, ISPRAL1034, ISPRAL1035, ISPRAL1036, ISPRAL1037, ISPRAL1038, ISPRAL1039, ISPRAL1040, ISPRAL1041, ISPRAL1042, ISPRAL1043, ISPRAL1044, ISPRAL1045, ISPRAL1047, ISPRAL1048, ISPRAL1050, ISPRAL1051, ISPRAL1052, ISPRAL1053, ISPRAL1055, ISPRAL1057, ISPRAL1058, ISPRAL1059, ISPRAL1060, ISPRAL1063, ISPRAL1070, ISPRAL1100, ISPRAL1101, ISPRAL1200, ISPRAL1210, ISPRAL1212, ISPRAL1300, ISPRAL1500, ISPRAL1501, ISPRAL1515, ISPRAL1520, ISPRAL1800, ISPRAL1801, ISPRAL1802, ISPRAL1803, ISPRAL1804, ISPRAL1805, ISPRAL1806, ISPRAL1807, ISPRAL1808, ISPRAL1809, ISPRAL1810, ISPRAL1811, ISPRAL1812, ISPRAL1813, ISPRAL1814, ISPRAL1815, ISPRAL1816, ISPRAL1817, ISPRAL1818, ISPRAL1819, ISPRAL1820, ISPRAL1821, ISPRAL1822, ISPRAL1823, ISPRAL1824, ISPRAL1825, ISPRAL1826, ISPRAL1827, ISPRAL1828, ISPRAL1829, ISPRAL1830, ISPRAL1831, ISPRAL1832, ISPRAL1900, ISPRAL1901, ISPRAL2000, ISPRAL2001, ISPRAL2200, ISPRAL2201, ISPRAL2500, ISPRAL2801, ISPRAL2802, ISPRAL3000, ISPRAL3001, ISPRAL3002, ISPRAL3003, ISPRAL3005, ISPRAL3010, ISPRAL3011, ISPRAL3012, ISPRAL3020, ISPRAL3030, ISPRAL3040, ISPRAL3050, ISPRAL3060, ISPRAL3070, ISPRAL3075, ISPRAL3076, ISPRAL3080, ISPRAL3090, ISPRAL3100, ISPRAL3110, ISPRAL3120, ISPRAL3130, ISPRAL3140, ISPRAL3141, ISPRAL3142, ISPRAL3143, ISPRAL3144, ISPRAL3145, ISPRAL3150, ISPRAL3160, ISPRAL3170, ISPRAL3500, ISPRAL3501, ISPRAL3800, ISPRAL4000, ISPRAL4001, ISPRAL4002, ISPRAL4003, ISPRAL4004, ISPRAL4005, ISPRAL4006, ISPRAL4500, ISPRAL5000, ISPRAL5100, ISPRAL5110, ISPRAL5120, ISPRAL5500, ISPRAL5510, ISPRAL5600, ISPRAL6000, ISPRAL6200, ISPRAL6400, ISPRAL6401, ISPRAL6500, ISPRAL6501, ISPRAL6510, ISPRAL6550, ISPRAL6600, ISPRAL6700, ISPRAL7000, ISPRAL7001, ISPRAL7100, ISPRAL7200, ISPRAL7300, ISPRAL7400, ISPRAL7500, ISPRAL7600, ISPRAL8000, ISPRAL8001, ISPRAL8002, ISPRAL8100, ISPRAL8200, ISPRAL8300, ISPRAL8400, ISPRAL8500, ISPRAL8600, ISPRAL8700, ISPRAL9000, ISPRAL9100, ISPRAL9500, ISPRAL9900, ISPRAL9910, ISPROL0500, ISPROL1000, ISPROL3000, ISPROL6500, ISPROL6600, ISPROL8000, ISPROL8001, ISPROL8100, ISPROL8101

5

Revision

18 May 2022

Revision Date

< Less Than

Key/Legend

> Greater Than

AICS Australian Inventory of Chemical Substances**atm** Atmosphere**CAS** Chemical Abstracts Service (Registry Number)**cm²** Square Centimetres

CO₂ Carbon Dioxide
COD Chemical Oxygen Demand
deg C (°C) Degrees Celcius
EPA (New Zealand) Environmental Protection Authority of New Zealand
deg F (°F) Degrees Farenheit
g Grams
g/cm³ Grams per Cubic Centimetre
g/l Grams per Litre
HSNO Hazardous Substance and New Organism
IDLH Immediately Dangerous to Life and Health
immiscible Liquids are insoluable in each other.
inHg Inch of Mercury
inH₂O Inch of Water
K Kelvin
kg Kilogram
kg/m³ Kilograms per Cubic Metre
lb Pound
LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or **L** Litre
m³ Cubic Metre
mbar Millibar
mg Milligram
mg/24H Milligrams per 24 Hours
mg/kg Milligrams per Kilogram
mg/m³ Milligrams per Cubic Metre
Misc or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm Millimetre
mmH₂O Millimetres of Water
mPa.s Millipascals per Second
N/A Not Applicable
NIOSH National Institute for Occupational Safety and Health
NOHSC National Occupational Heath and Safety Commission
OECD Organisation for Economic Co-operation and Development
Oz Ounce
PEL Permissible Exposure Limit
Pa Pascal
ppb Parts per Billion
ppm Parts per Million
ppm/2h Parts per Million per 2 Hours
ppm/6h Parts per Million per 6 Hours
psi Pounds per Square Inch
R Rankine
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value
tne Tonne
TWA Time Weighted Average
ug/24H Micrograms per 24 Hours
UN United Nations
wt Weight

