

INDUSTRIAL METHYLATED SPIRITS


SAFETY DATA SHEET

MSDS No: Product Name : Manufacturers Code: Date:	INDUSTRIAL METHYLATED SPIRITS IMS1, IMS5, IMS20, IMS200 September 2020	QUICK SMART PRODUCTS 53 ASSEMBLY DRIVE TULLAMARINE VIC 3043 ABN: 40 959 725 049 Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 Email: gsmart@bigpond.net.au Web: www.quicksmartproducts.com.au
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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	INDUSTRIAL METHYLATED SPIRITS
Company Name:	QUICK SMART PRODUCTS
Address:	53 Assembly Drive Tullamarine Vic 3043
Telephone/Fax:	(03) 9338 6655 (BH) Poisons Information Centre 131126 (AH) (03) 9336 7945 (AH)
Recommended Use:	General Industrial Solvent

2. HAZARDS IDENTIFICATION

Hazard Classification	This material is hazardous according to criteria of Safe Work Australia.
Dangerous Goods Classification	Classified as Dangerous Goods by the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code) and the New Zealand NZS5433: Transport of Dangerous Goods on Land.
GHS Classification(s)	Flammable Liquids: Category 2 Serious Eye Damage/Irritation: Category 2A
GHS Label Elements	
Signal Word	DANGER
Symbol(s)	
Hazard Statements	
H225 H319	Highly flammable liquid and vapour Causes serious eye irritation

Precautionary Statements

General

P102	Keep out of reach of children.
P103	Read label before use.

Prevention

P210	Keep away from heat/sparks/open flames/hot surfaces. - No Smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, lighting and all other equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash hands, face and all exposed skin thoroughly after handling.
P280	Wear protective clothing, gloves, eye/face protection and suitable respirator.

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Response

P101	If medical advice is needed, have product container or label at hand.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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 alcohol resistant foam, standard foam or dry agent for extinction.

Storage

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

Disposal

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Poisons Schedule (Aust)

Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No	Proportion
Ethanol	64-17-5	95-100%v/v
Methyl isobutyl ketone	108-10-1	0.25%v/v
Denatonium benzoate	3734-33-6	<u>6.6ppm</u> 100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 088 764 766)

Description of necessary measures according to routes of exposure

Inhalation	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.
Skin Contact	For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water. For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.
Eye Contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.
Ingestion	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.
First Aid Facilities	Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

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PPE for First Aiders Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

General Measures Do not enter enclosed or a confined work space without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available). Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk.

Suitable Extinguishing Media If material is involved in a fire use alcohol resistant foam, water fog (or if unavailable fine water spray), foam or dry agent (carbon dioxide, dry chemical powder).

Specific Hazards Flammable liquid. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

Fire Fighting Further Advice If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning may emit toxic fumes, including those of carbon dioxide and carbon monoxide. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Hazchem Code ●2YE

6. ACCIDENTAL RELEASE MEASURES:

Emergency Procedure Shut off all possible sources of ignition. Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust or vapours. Work up wind or increase ventilation.

Containment Procedure If safe to do so, isolate the leak. Small spills are allowed to evaporate provided there is adequate ventilation. Contain - prevent run off into drains and waterways. If contamination of sewers or waterways has occurred advise local emergency services.

Clean Up Procedure Cover with damp absorbent (inert material, sand or soil). Collect and seal in properly labelled containers or drums for disposal. Use a spark-free shovel.

Dangerous Goods Initial Emergency Response Guide No: 14

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7. HANDLING AND STORAGE

Handling	Avoid skin and eye contact and inhalation of vapour, mist or aerosols.
Storage	Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks. This material is classified as a Dangerous Good Class 3 Flammable Liquid as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Occupational Exposure Limits: No value assigned for this specific material by Safe Work Australia. However for:

	TWA		STEL		Carcinogen Category	Notices
	ppm	mg/m ³	ppm	mg/m ³		
Ethanol	1000	1880	-	-	-	-

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological Limit Values As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

Engineering Measures Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Personal Protection Equipment Overalls, safety shoes, chemical goggles, gloves, respirator.

Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from butyl rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

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Hygiene Measures

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid skin and eye contact and inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear Colourless Liquid
Odour	Characteristic alcohol odour. Ethanol odour detectable at 80-100ppm
pH, at stated concentration	Not available
Vapour Pressure	5.9kPa @ 20°C (Ethanol)
Vapour Density (air=1)	1.59
Boiling Point (°C)	78 (Ethanol)
Freezing/Melting Point (°C)	-117
Solubility	Complete
Specific Gravity	0.79 - 0.81 (Ethanol)
Flammable Materials	
Flash Point	13 (Ethanol)
Flash Point Method	Abel closed cup
Flammable (Explosive) Limit	Upper : 19% Lower : 3.5%
Autoignition Temp (°C)	392
Additional Properties	
Evaporation Rate	2.53 (n-Butyl Acetate = 1)
Molecular Weight	Not available
Volatile Organic Compounds Content (VOC)	(As specified by the Green Building Council of Australia) 100%
% Volatiles	100%

10. STABILITY AND REACTIVITY

Reactivity	No reactivity hazards are known for the material.
Chemical Stability	This material is thermally stable when stored and used as directed.
Hazardous Reactions	No known hazardous reactions.
Conditions to Avoid	Elevated temperatures and sources of ignition.
Incompatible Materials	Oxidising agents.
Hazardous Decomposition Products	Carbon monoxide and carbon dioxide.

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11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation	Material may be an irritant to mucous membranes and respiratory tract.
Skin Contact	Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.
Ingestion	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Eye Contact	An eye irritant.
Acute Toxicity	
Inhalation	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20 mg/L
Skin Contact	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/L
Ingestion	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/L
Corrosion/Irritancy	Eye: This material has been classified as a Category 2A Hazard (reversible effects to eyes). Skin: This material has been classified as no corrosive or irritating to skin.
Sensitisation	Inhalation: This material has been classified as not a respiratory sensitiser. Skin: This material has been classified as not a skin sensitiser.
Aspiration Hazard	This material has been classified as non-hazardous.
Specific Target Organ Toxicity (Single Exposure)	This material has been classified as non-hazardous.
Chronic Toxicity	
Mutagenicity	This material has been classified as non-hazardous.
Carcinogenicity	This material has been classified as non-hazardous.
Reproductive Toxicity (including via lactation)	This material has been classified as non-hazardous.
Specific Target Organ Toxicity (Repeat Exposure)	This material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

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. Chronic toxicity estimate (based on ingredients): >100 mg/L

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Ecotoxicity	No information available.
Persistence and Degradability	Readily biodegradable.
Bioaccumulative Potential	In information available.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS. If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road and Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



Proper Shipping Name	ETHANOL
UN number	1170
DG Class	3 Flammable Liquid
Packaging Group	II
Hazchem Code	•2YE
Emergency Response	14

Guide No.

Segregation Dangerous Goods

Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substance (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), however exemptions may apply.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.



Proper Shipping Name	ETHANOL
UN number	1170
DG Class	3 Flammable Liquid
Packaging Group	II

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AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



Proper Shipping Name	ETHANOL
UN number	1170
DG Class	3 Flammable Liquid
Packaging Group	II

15. REGULATORY INFORMATION

HSNO Approval Number and/or Group Standard: Solvent (Flammable) Group Standard 2006

This material/constituent(s) is covered by the following requirements:

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

16. OTHER INFORMATION

Contact Person/Point Technical Information: (03) 9338 6655

Date of Preparation or last revision of SDS SDS Revised: 3 September 2020

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
ADG Code	Australian Code for the Transport of Dangerous Goods by Road & Rail
AICS	Australian Inventory of Chemical Substances
CAS Number	Chemical Abstracts Service Registry Number
GHS	Globally Harmonised System of Classification and Labelling
HAZCHEM Code	Emergency action code of numbers and letters which gives information to emergency services
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LEL	Lower Explosion Limit
mg/m ³	Milligrams per Cubic Metre
NOHSC	National Occupational Health and Safety Commission
ppm	Parts Per Million
STEL	Short Term Exposure Limit
SDS	Safety Data Sheet
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
TWA	Time Weighted Average
UEL	Upper Explosion Limit

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This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material or from any failure to adhere to recommendations. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF SDS