


## SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>SUPPLIER:</b>	Auto Klene Solutions Aust. Pty Ltd		
<b>ADDRESS:</b>	885 Mountain Highway, Bayswater, 3153 VIC		
<b>Trade Name:</b>	<b>METHYLATED SPIRITS</b>		
<b>TELEPHONE:</b>	03 8761 1900	<b>FAX:</b>	03 8761 1955
<b>AH EMERGENCY TELEPHONE:</b>	1300 774 575 in Australia (M-F 7am-7pm)	<b>Synonym:</b>	Industrial alcohol
<b>Substance:</b>	Ethyl alcohol denatured	<b>Product Use:</b>	Cleaning solvent
<b>Creation Date:</b>	1 November 2023	<b>Revision Date:</b>	1 November 2028

## SECTION 2 – HAZARDS IDENTIFICATION

<b>Classification of the substance or mixture</b>	
<b>Dangerous Goods</b>	Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".
<b>GHS Classification</b>	Flammable Liquids - Category 2 Eye Irritation - Category 2A
<b>Poisons Schedule</b>	S5 (ethanol)
<b>Label elements</b>	
<b>GHS label pictograms</b>	
<b>Signal word</b>	<b>DANGER</b>
<b>Hazard statement(s)</b>	
<b>H225</b>	Highly flammable liquid and vapour.
<b>H319</b>	Causes serious eye irritation.
<b>Precautionary statement(s): General</b>	
<b>P102</b>	Keep out of reach of children.
<b>P103</b>	Read carefully and follow all instructions.
<b>Precautionary statement(s): Prevention</b>	
<b>P210</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>P233</b>	Keep container tightly closed.
<b>P240</b>	Ground and bond container and receiving equipment.
<b>P241</b>	Use explosion-proof equipment.
<b>P242</b>	Use non-sparking tools
<b>P243</b>	Take action to prevent static discharges.
<b>P280</b>	Wear protective gloves, protective clothing and eye protection.
<b>P264</b>	Wash hands thoroughly after handling.
<b>Precautionary statement(s): Response</b>	
<b>P303+P361+P353</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
<b>P370+P378</b>	In case of fire: Use foam, water spray or fog, dry chemical powder or carbon dioxide to extinguish.

<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>P337+P313</b>	If eye irritation persists: Get medical attention.
<b>Precautionary statement(s): Storage</b>	
<b>P403+P235</b>	Store in a well-ventilated place. Keep cool.
<b>Precautionary statement(s): Disposal</b>	
<b>P501</b>	Dispose of contents and container in accordance with local regulations.
<b>Note</b>	
<b>IMPORTANT</b>	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.

### SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

<b>Ingredients:</b>	<b>CAS Number:</b>	<b>Proportion (%w/w):</b>
Ethanol	64-17-5	>=95
Ingredients determined to be non-hazardous at the concentrations used	various	balance

### SECTION 4 – FIRST AID MEASURES

<b>Inhalation</b>	Remove person to fresh air away from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Obtain medical attention if symptoms occur.
<b>Skin contact</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water. Seek medical attention if irritation persists.
<b>Eye contact</b>	With eyelids held open, immediately irrigate with copious quantities of water for 15 minutes. Remove clothing if contaminated and wash skin. Seek medical attention if irritation persists. Transport to hospital or medical centre.
<b>Ingestion</b>	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical attention (e.g., doctor).
<b>Advice to Doctor</b>	Treat symptomatically.
<b>First Aid Facilities</b>	Eye wash station. Normal washroom facilities.

### SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards</b>	Highly flammable liquid and vapour. Carbon monoxide and/or carbon dioxide may be evolved.
<b>Extinguishing Media</b>	Use alcohol stable foam, water spray or fog. Dry chemical powder, carbon dioxide for small fires only. Do not use water in a jet.
<b>Fire Fighting</b>	Keep any containers that are exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. If safe, switch off electrical equipment until fire hazard removed. Prevent, by any means available, spillage from entering drains or water courses.
<b>Flash Point</b>	13°C
<b>Hazchem</b>	•2YE

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<p><b>Emergency Procedures</b></p>	<p>Avoid contact with spilled or released material. Shut off leaks, if possible, without personal risk. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment. Wear PPE in accordance with Section 8 of this SDS. Minor spill: Remove all ignition sources. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.</p> <p>Major spill: Remove all ignition sources. Prevent spillage from entering drains or water courses. Wear appropriate personal protective equipment and clothing to prevent exposure. Increase ventilation. Do not flush residues with water. If spilt on electrical equipment the product will cause short-circuits. If possible, contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.</p>
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## SECTION 7 – HANDLING AND STORAGE

<p><b>Handling</b></p>	<p>Highly flammable material. Avoid breathing vapours. Ensure workplace is ventilated so that exposure limits are not exceeded. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. Do not use in confined spaces. Avoid skin or eye contact with concentrate. Wear protective clothing when risk of exposure occurs. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Avoid naked lights, heat or ignition sources. Ensure electrical continuity by earthing all equipment. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling. Launder contaminated clothing before re-use.</p>
<p><b>Storage</b></p>	<p>Store in a cool, dry, well-ventilated place and out of direct sunlight. DO NOT store in areas where vapours may be trapped. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks. This material is classified as a Class 3 Flammable as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road &amp; Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.</p>

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<p><b>Exposure Limits</b></p>	<p>National Occupational Exposure Limits, as published by Safe Work Australia: <b>Time-weighted Average (TWA):</b> Ethanol 1880mg/m<sup>3</sup> (1000ppm) TWA (8hr)</p>
<p><b>Ventilation</b></p>	<p>Ensure adequate ventilation. Use of a quantity of this material in a confined space or poorly ventilated area, where rapid build-up of concentrated atmosphere may occur, could require increased ventilation and/or personal protective equipment.</p>
<p><b>Personal Protective Equipment</b></p>	<p>Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. The following protective equipment should be available;</p>
<p><b>Eye Protection</b></p>	<p>Safety glasses should be used for handling concentrate in quantity, cleaning up spills, decanting, etc. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.</p>



<p><b>Hand Protection</b></p> 	<p>Wear solvent-resistant gloves (i.e., nitrile for long term protection or PVC and neoprene for incidental splashes) – to handle in quantity, clean up spills, decanting, etc. Final choice of appropriate gloves will vary according to individual circumstances (i.e., methods of handling or according to risk assessments undertaken). Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.</p>
<p><b>Body Protection</b></p> 	<p>Suitable protective workwear (e.g., boots and overalls) are recommended. A chemical-resistant apron is recommended where large quantities are handled. Some plastic personal protective equipment (PPE) (e.g., gloves, aprons, overshoes) are not recommended as they may produce static electricity. Non-sparking safety or conductive footwear should be considered.</p>
<p><b>Respirator</b></p>	<p>If engineering controls are not effective in controlling airborne exposure, use an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point &gt;65°C). Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.</p>

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid	<b>Colour</b>	Colourless, clear
<b>Odour</b>	Alcoholic	<b>Specific Gravity</b>	0.79 - 0.81
<b>Boiling Point</b>	78°C	<b>Freezing Point</b>	-117°C
<b>Vapour Pressure</b>	44 mmHg	<b>Vapour Density</b>	1.59 (air = 1)
<b>Flash Point</b>	13°C	<b>Flammable Limits</b>	3.5% - 19.0%
<b>Water Solubility</b>	Completely miscible	<b>pH</b>	Not available

## SECTION 10 – STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions of use.
<b>Conditions to Avoid</b>	Avoid heat, sparks, open flames and other ignition sources.
<b>Incompatibilities</b>	Strong oxidising agents
<b>Hazardous Decomposition</b>	Burning can produce carbon monoxide and/or carbon dioxide.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### POTENTIAL HEALTH EFFECTS

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

<b>Inhalation</b>	Symptoms may be same as intoxication, drunkenness. Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by sleepiness, reduced alertness, loss of reflexes, lack of co-ordination, and vertigo. Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be damaging to the health of the individual.
<b>Skin contact</b>	Mild irritant. Prolonged contact may cause defatting of skin, which can lead to dermatitis.
<b>Eye contact</b>	Causes serious eye irritation.
<b>Ingestion</b>	Accidental ingestion of the material may be damaging to the health of the individual. Ingestion of ethanol (ethyl alcohol, "alcohol") may produce nausea, vomiting, bleeding from the digestive tract, abdominal pain, and diarrhoea.
<b>Chronic exposure</b>	No information available
<b>Toxicology Information</b>	Non-toxic, based on ingredient calculated values.
<b>Carcinogen Status</b>	No significant ingredient is classified as carcinogenic by SWA.
<b>Respiratory Sensitisation</b>	Not expected to be a respiratory sensitizer.

<b>Skin Sensitisation</b>	Not expected to be a skin sensitizer.
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Reproductive Toxicity</b>	Not considered to be toxic to reproduction.
<b>STOT-single exposure</b>	Not considered to be a specific hazard to target organs by single exposure.
<b>STOT-repeated exposure</b>	Not considered to be a specific hazard to target organs by prolonged or repeated exposure.
<b>Aspiration Hazard</b>	Not considered to be an aspiration hazard.

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Eco-toxicity Product</b>	Expected to be harmful to aquatic life.
<b>Persistence and degradability</b>	Biodegradable
<b>Bio accumulative potential</b>	No information available
<b>Mobility in soil</b>	Miscible with water
<b>Other adverse effects</b>	No information available
<b>Environmental Protection</b>	Do not discharge this material into waterways.

## SECTION 13 – DISPOSAL CONSIDERATIONS

	Dispose of waste according to applicable local and national regulations. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations.
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## SECTION 14 – TRANSPORT INFORMATION

<b>ADG</b>	Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".
<b>Marine Pollutant</b>	No
<b>Land Transport (ADG)</b>	
<b>UN Number</b>	1170
<b>Proper Shipping Name</b>	ETHANOL
<b>Class</b>	3
<b>HAZCHEM Code</b>	●2YE
<b>Packing Group</b>	II
<b>ERG</b>	14
<b>Limited Quantity</b>	1L
<b>Segregation</b>	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 substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

## SECTION 15 – REGULATORY INFORMATION

<b>GHS Classification</b>	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
<b>SUSMP</b>	S5 (ethanol))
<b>ADG Code</b>	Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".
<b>AICS</b>	All ingredients present on AICS

## SECTION 16 – OTHER INFORMATION

<b>Issue Date</b>	1 November 2023
<b>Version Number</b>	V9: regular review
<b>Abbreviations and acronyms</b>	<p><b>ADG Code:</b> Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p><b>AICS:</b> Australian Inventory of Chemical Substances.</p> <p><b>CAS Number:</b> Chemical Abstracts Service Registry Number.</p> <p><b>GHS:</b> Globally Harmonized System of Classification and Labelling of Chemicals</p> <p><b>HAZCHEM:</b> An emergency action code of numbers and letters which gives information to emergency services.</p> <p><b>HCIS:</b> Hazardous Chemical Information System</p> <p><b>SWA:</b> Safe Work Australia.</p> <p><b>SDS:</b> Safety Data Sheet</p> <p><b>STEL:</b> Short Term Exposure Limit.</p> <p><b>SUSMP:</b> Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p><b>TWA:</b> Time Weighted Average.</p> <p><b>UN Number:</b> United Nations Number.</p>
<b>Literature references</b>	<p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice (Safe Work Australia)</p> <p>GHS Hazardous Chemical Information List (Safe Work Australia)</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS)</p> <p>“Australian Exposure Standards”. Safe Work Australia</p> <p>Australian Code for The Transport of Dangerous Goods by Road and Rail</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons</p> <p>Safety Data Sheets – individual raw materials – Suppliers</p> <p>HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base.</p>
<b>Disclaimer</b>	<p>This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.</p>

**End of SDS**