

Safety Data Sheet

METHYLATED SPIRITS

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER	
Product Name	Methylated Spirits
Product Code	MetSpi
Product Use	Solvent, Fuel, Cleaning solvent
Company Name	Kleen West Distributors
Address	Unit 3, 22 Prestige Parade Wangara WA 6065
Emergency Telephone	13 11 26
Telephone	(08) 9303 2882
Web	www.kleenwest.com.au
2. HAZARDS IDENTIFICATION	
Hazard Classification	Classified as hazardous according to ASCC criteria
Dangerous Goods	Classified as a dangerous good according to the criteria of the ADG code
Hazard Category:	Flammable liquid: Category 2 Serious eye damage / irritation: Category 2A
Risk Phrases:	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation
Pictograms	 
Precautionary Statements	<p>GENERAL P101 If medical advice is needed, have product container or label at hand P102 Keep out of reach of children P103 Read label before use</p> <p>PREVENTATIVE P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking P233 Keep container tightly closed P240 Ground and bond container and receiving equipment P241 Use explosion-proof electrical/ventilation/lighting equipment P242 Use non-sparking tools P243 Take action to prevent static discharge P264 Wash thoroughly after handling P280 Wear protective gloves/eye protection/face protection</p> <p>RESPONSE P303 + P361 + P353 IF ON SKIN (or hair): 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 foam/water spray/fog for extinction</p> <p>STORAGE P403 + P235 Store in a well-ventilated place. Keep cool</p> <p>DISPOSAL P501 Dispose of contents/container in accordance with local regulations</p>

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3. COMPOSITION/INFORMATION ON INGREDIENTS			
	Ingredient	CAS No.	Proportion
	Ethanol	64 – 17 - 5	>95%
	Water and other non-hazardous ingredients	-	to 100%
4. FIRST AID MEASURES			
Inhalation	Remove victim from exposure. If rapid recovery does not occur seek medical attention.		
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Seek immediate medical attention. If vomiting occurs spontaneously keep head below hips to prevent aspiration.		
Skin	Remove contaminated clothing and flush affected area with running water. Wash contaminated clothing before re-use.		
Eye	If in eyes, hold eyelids apart and irrigate with clean water for at least 15 minutes. Seek medical attention if irritation persists.		
First Aid Facilities	Eye wash station.		
Symptoms caused by exposure	<p>Inhalation: May cause irritation to the respiratory system. Inhalation of the vapour may result in drunkenness (as per effects of ingestion). Early symptoms may occur at airborne levels of 1000 to 5000ppm.</p> <p>Skin: May include burning sensation and/or a dried/cracked appearance. Prolonged contact may cause defatting of skin which can lead to dermatitis.</p> <p>Eye: May include burning sensation, redness, swelling and/or blurred vision.</p> <p>Ingestion: Can cause drunkenness or harmful central nervous system effects. The deliberate ingestion of ethanol (50-100ml) may cause inebriation such that safety is impaired. Effects of a small intake may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, and fatigue. Ingestion of a large amount may lead to severe acute intoxication, tremours, convulsion, loss of consciousness, coma, respiratory arrest and death</p>		
Advice to Doctor	Treat symptomatically.		
5. FIRE FIGHTING MEASURES			
Extinguishing Media	Alcohol stable foam, water spray or fog. Dry chemical powder, carbon dioxide for small fires only. Do not use water in a jet.		
Hazards from Combustion Products	In the event of a major fire, this product may emit toxic fumes including carbon dioxide & carbon monoxide		
Precautions for Fire Fighters	Cool containers with water to prevent containers from rupturing. Wear full protective clothing and self contained breathing apparatus.		
6. ACCIDENTAL RELEASE MEASURES			
Emergency Procedures	Small spills may be mopped up. Personnel involved in the clean up of large spills should wear appropriate protective clothing as specified in Section 8. Clean up spills immediately to prevent further accidents. Evacuate all unnecessary personnel. Stop leak if safe to do so. Do not let product reach drains or waterways.		
Spills & Disposals	Contain and recover liquid where possible. Use non sparking tools. Use material such as earth to contain spill and pack residue into appropriate containers for disposal at approved site. Wash affected area with water.		
7. HANDLING AND STORAGE			
Storage	Store in original container in a cool, well ventilated area out of direct sunlight. Keep containers closed when not in use. Do not store near sources of ignition, oxidizing agents, strong acids or foodstuffs.		
Handling	Electrostatic charges may be generated during transfer which may cause fire. Ensure electrical continuity by earthing all equipment. Wear protective clothing as specified in Section 8 when handling product or there is potential for skin and eye contact. Wash hands and other exposed areas with soap and water immediately after handling and		

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	before eating, drinking, smoking or using the toilet.
8. EXPOSURE CONTROL/PERSONAL PROTECTION	
Exposure Standards	From National Occupational Health & Safety Commission Worksafe Australia – Ethanol: 1880mg/m ³ (1000ppm) TWA (8hr)
Biological Limits	None allocated.
Engineering controls	Ensure adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists & vapours. Keep containers closed when not in use.
Personal Protective Equipment	Eye Protection: Safety goggles. Glove Type: Use solvent resistant gloves (nitrile or PVC) Clothing: PVC, nitrile or rubber splash apron and rubber boots. Skin protection not ordinarily required for standard use.
9. PHYSICAL AND CHEMICAL PROPERTIES	
Appearance	Colourless clear liquid
Odour	Alcoholic
pH (neat)	N/A
Vapour Pressure	44hPa @ 20° C
Vapour Density	1.59 (Air = 1)
Boiling Point/Range	Approximately 78°C
Freezing/Melting point	-117°C
Solubility in Water	Miscible in all proportions
Specific Gravity	0.79-0.81
Flash Point	13 °C
Flammable Limits	Highly flammable
10. STABILITY AND REACTIVITY	
Chemical Stability	Stable under normal conditions of storage and handling. Reacts with incompatible materials.
Conditions to Avoid	Heat, open flames and other sources of ignition.
Materials to Avoid	Strong oxidizing agents.
Decomposition	May emit carbon monoxide and / or carbon dioxide
Hazardous Reactions	Contact with oxidizing agents may cause fire.
11. TOXICOLOGICAL INFORMATION	
Health Hazard Summary	Product is irritating to eyes.
Inhalation	Inhalation of vapours may cause irritation to respiratory system. Inhalation can also cause drunkenness (as per effects of swallowing)
Ingestion	Ingestion can cause drunkenness or harmful central nervous system effects. Deliberate ingestion may cause inebriation such that safety is impaired. Effects of small intake may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision and fatigue. Ingestion of large amounts may lead to severe acute intoxication, tremours, convulsion, loss of consciousness, coma, respiratory arrest and death.
Skin	Mild irritant. Irritant dermatitis may result from working with this material.
Eye	Severe eye irritant. On eye contact this product will cause tearing, stinging, blurred vision and redness.
Toxicity Data	Acute toxicity: Low toxicity in animals - LD50 Oral (rat) : 7060mg/kg LC50 Inhalation (rat, 6h) : 5900mg/m ³ Skin corrosion/irritation: Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis. Serious eye damage/irritation: Vapours may irritate the eyes. Liquid or mists may severely irritate or damage the eyes. Respiratory or skin sensitisation: Not expected to be a sensitiser. Germ cell mutagenicity: Not expected to be mutagenic. Carcinogenicity: Not expected to be carcinogenic.

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	<p>Reproductive toxicity: Not expected to impair fertility.</p> <p>Specific Target Organ Toxicity (STOT) – single exposure: Data not available.</p> <p>Specific Target Organ Toxicity (STOT) – repeated exposure: Long term exposure by swallowing or repeated inhalation, may cause degenerative changes in the liver, kidneys, gastrointestinal tract and heart muscle.</p> <p>Aspiration hazard: Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.</p>
12. ECOLOGICAL INFORMATION	
Ecotoxicity Fish & aquatic invertebrate	Expected to be harmful
Persistence and Degradability	Biodegradable
Mobility	Miscible with water.
13. DISPOSAL CONSIDERATIONS	
Waste Disposal	Refer to waste management authority. Normally suitable for disposal at approved waste site. Containers should be thoroughly rinsed and recycled.
Legislation	Dispose of in accordance with applicable local and national regulations. Contact a specialist waste company or local regulator for advice.
14. TRANSPORT INFORMATION	
Classified as a Dangerous Good according to the criteria of the ADG Code	
U.N. Number	1170
Proper Shipping Name	Ethanol
Class and Subsidiary Risk(s)	3
Packing Group	II
Special Precautions	None allocated
Hazchem Code	• 2YE
15. REGULATORY INFORMATION	
Poisons Schedule	5
AICS	All ingredients are listed on the Australian Inventory of Chemical Substances (AICS).
16. OTHER INFORMATION	
Contact Point	Anthony Benich
Title	Technical Manager
Telephone	08 9303 2882
After Hours	0432 620 423
<p>The information contained in this Material Safety Data Sheet is believed to be accurate and reliable; however Kleen West Distributors shall not be liable for any inaccuracy in the information or for any loss, injury or damage whatsoever arising from the use of this product as conditions and methods of use are beyond our control. Users should read this Material Safety Data Sheet and evaluate the information in the context of how the user intends to handle and use the product in the workplace including the use of this product with other products.</p>	

End of Report