



Date of Issue: 15 November 2016

Methylated Spirits

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name	Methylated Spirits
Code	40127, C13752, C18010, C25076
Product Use	General cleaning solvent
Company Name	Dominant (Australia) Pty Ltd
Address	12 Coglin Street, Brompton SA 5007, Australia
Telephone	1300 789 852 or +61 (8) 8245 6900
Facsimile	+ 61 (8) 8340 1626
Emergency Phone	13 11 26

2. HAZARDS IDENTIFICATION

GHS Classification	Flammable Liquid 2 Eye Irritation 2
Signal Word	DANGER
Hazard Statements	Highly flammable liquid and vapour Causes serious eye irritation
Precautionary Statements	Keep out of reach of children Read label before use. Keep away from heat/sparks/ open flames/hot surfaces. – No smoking. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Ground / bond container and receiving equipment. Use explosion-proof electrical / ventilating /light equipment. Use only non-sparking tools. Take precautionary measures against static discharge. In case of fire: Use alcohol resistant foam or normal protein foam for extinction. Wear protective gloves/eye protection/face protection. Wash hands thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing Dispose of contents/container in accordance with state regulations

Pictograms



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Product name: Methylated Spirits**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	Name	CAS	Proportion
	Ethanol	64-17-5	>95%
	Methyl isobutyl ketone	108-10-1	<1%
	Ingredients determined not to be hazardous	Not Required	Balance

4. FIRST AID MEASURES

Ingestion	If swallowed do NOT induce vomiting. If vomiting occurs, have victim lean forward to prevent aspiration. Immediately wash out mouth with water and give water to drink. Seek medical attention or contact a Poisons Information Centre 13 11 26. Never give anything by mouth to an unconscious individual.
Eye	If in eyes, hold eye lids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Seek medical attention if irritation persists.
Skin	If skin contact occurs, remove contaminated clothing and flush skin and hair with running water. Do not re-use contaminated clothing until washed.
Inhaled	Remove promptly to fresh air. If there are signs of drunkenness or respiratory irritation, dizziness or headache seek medical attention
First Aid Facilities	An eye wash and general washing facility should be available adjacent to the work area.
Advice to Doctor	Treat symptomatically. If intoxication or narcosis is present, treat as for excess consumption of alcoholic drink. Care should be taken during vomiting to prevent aspiration of the return of flow. If respiration is depressed, assisted respiration may be necessary. For advice contact a Poisons Information Centre. (Phone Australia 13 11 26; New Zealand 0800 764 766)

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use alcohol resistant foam or normal protein foam for extinction.
Hazards from Combustion	Burning can produce carbon monoxide and/or carbon dioxide.
Precautions for Fire Fighters	Flammable liquid. If large quantities are involved, may form flammable mixtures with air. Burns with a colourless flame. The vapour is heavier than air and may travel along the ground; distant ignition and flash back are possible. Run off to sewers and drains may cause explosions.
Hazchem	2[Y]E

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Product name: Methylated Spirits**6. ACCIDENTAL RELEASE MEASURES**

Emergency Procedures	In the event of spillage eliminate all sources of ignition and take measures prevent static discharge – no smoking. Ventilate area. Keep unauthorised people away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Prevent spillage from entering drains / storm water as environmental damage may result.
Clean Up	For minor spills mop up and rinse with water. For larger spills absorb material on mineral absorbent material or absorbent pads. Collect and put into plastic bags or containers and dispose of through waste disposal contractor. Rinse area with plenty of water, preventing run off from entering drains.

7. HANDLING AND STORAGE

Handling	Highly flammable product. Avoid breathing vapours. Wear appropriate protective clothing to prevent skin and eye contact. Use in a well ventilated area. Keep containers closed when not in use. Maintain a high standard of personal hygiene. Wash hands immediately after using product.
Storage	Store in a cool, dry, well ventilated place out of direct sunlight. Store in closed containers. Store away from incompatible materials such as oxidising agents. Ensure storage area is secure. Large storage areas should have appropriate fire protection.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards	Exposure standard for... Ethanol: TWA 1000ppm (1800 mg/m ³) MIBK: TWA 50ppm (205 mg/m ³) STEL 75 ppm, (307 mg/m ³)
Engineering Controls	Ensure ventilation is adequate to maintain levels below exposure standards. Flammable / explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back.
Personal Protective Equipment	Wear splash proof goggles and nitrile or neoprene gloves. When using large quantities or where heavy contamination is likely wear coveralls. Where an inhalation risk exists, wear a TYPE A (Organic Vapour) respirator. At high levels wear self contained breathing apparatus (SCBA) or an air-line respirator.

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Product name: Methylated Spirits**9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Clear, water white flammable liquid with characteristic alcohol odour
Solubility in Water	Soluble in all proportions
pH	Not available
Flash Point	14 °C (Ethanol)
Upper Explosive limit	19.0 % (Ethanol)
Lower Explosive limit	3.3 % (Ethanol)
Vapour density (Air = 1)	>1
Melting Point	-117 °C (Ethanol)
Boiling Point	78 °C (Ethanol)
Specific Gravity	0.80

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Hazardous Polymerisation	Will not occur
Conditions to Avoid	Heat, sparks, flame and build up of static electricity. Vapours may form explosive mixtures with air.
Incompatible Materials	Will react with strong oxidising agents, acids, strong alkalis, heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

Ingestion	Swallowing significant amounts can result in nausea, vomiting, diarrhoea, abdominal pain and drunkenness or harmful central nervous system effects.
Eye	Irritating to eyes. May cause eye irritation if not rinsed promptly and thoroughly
Skin	Contact with skin may result in irritation and redness. Prolonged or repeated contact may lead to drying and cracking of the skin.
Inhalation	Vapours and mists may cause irritation to the mucous membranes and upper respiratory tract.
Chronic Effects	Prolonged or repeated exposure to this product will result in skin irritation and possibly result in dermatitis.
Toxicological Data	For ingredients... Ethanol: LD50 ORL (rat): 7060 mg/kg LC50 IHL (rat): 38mg/l/10h MIBK: LD50 ORL (rat): 2080 mg/kg LC50 IHL (rat): 8000 ppm/4H (Reference: Dangerous Properties of Industrial Materials 7th Edition)

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Product name: Methylated Spirits**12. ECOLOGICAL INFORMATION**

Ecotoxicity **Ethanol:** LC50 / 96 hr >10,000 mg/L rainbow trout
 LC50 / 96 hr > 1340mg/L fathead minnow >1340 mg/l
MIBK: LC0 / 48 hr 480mg/L Leuciscus idus melanotus
 EC50 / 24 hr 1,550 – 3,623mg/L water flea.
 (Source: Supplier SDS)
 Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through licensed waste contractor. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

UN No. 1170
Proper Shipping Name ETHANOL
Hazchem Code 2[Y]E
Class 3
Packing Group II

15. REGULATORY INFORMATION

Classification Poisons Schedule: Schedule 5 according to the Poisons Standard March 2016
 Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

16. OTHER INFORMATION

Contact Point Dominant Australia. Phone 08 8245 6900
 24 hour medical emergency 13 11 26
Date of preparation 15th November 2016