

Safety Data Sheet

Revision Date: Tuesday, 17 October 2017

Methylated Spirits

Classification of Product:

Classified as **HAZARDOUS** according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

Classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

- a. Product name: Methylated Spirits
 - b. Other means of identification: Ethanol, Alcohol
 - c. Recommended use of the chemical
General solvent and fuel for alcoholic burners
 - d. Manufacturer details:
Dalcon Hygiene
36 Victoria St Smithfield
NSW 2164
Australia
PH: (02) 9604 1155
FAX: (02) 9604 9055
Email: admin@dalconhygiene.com.au
 - e. Poisons information centre: 13 11 26 (Australia)
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2. HAZARD(S) IDENTIFICATION

- a. Classification of the hazardous chemical:
Classified as HAZARDOUS according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

Flammable Liquids - Category 2
- b. Signal word: **DANGER**

c. Pictogram(s): Flame



d. **Hazard statement(s):**

H225 Highly flammable liquid and vapour

e. **Precautionary Statement(s):**

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.

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/ventilation/lighting equipment

P242 Use only non-sparking tools

P243 Take precautionary measures against static discharge

P280 Wear protective gloves/eye protection/face protection

Response:

P303 + P361 + P353

IF ON SKIN (or hair): Take off contaminated clothing and wash before reuse.

Rinse skin with water/shower

P370 + P378 In case of fire: Use foam/water spray/fog for extinction

Storage:

P403+235: Store in a well-ventilated place. Keep cool.

Disposal:

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

Poisons (SUSMP): 5

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS number	Proportion	Hazard Codes
H ₂ O	7732-18-5	30-60%	-
Ethanol	64-17-5	30-60%	H225
Non-hazardous components	-	<10%	-

4. FIRST-AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor

Inhalation:

Avoid inhaling vapours/fumes. If feeling unwell, move to fresh air. If rapid recovery does not occur, seek medical advice. Remove contaminated clothing.

Skin Contact:

Unlikely that contact with skin will cause irritation. May cause skin sensitisation in sensitive individuals. If irritation occurs wash skin well with water and soap, discontinue use.

Eye Contact:

Immediately flush the eyes with running water for at least 15 minutes, holding the eyelids open. Remove clothing if contaminated and wash skin. If irritation occurs seek medical attention.

Ingestion:

Rinse mouth with water. If swallowed, do not induce vomiting. Give a glass of water and seek medical attention.

5. FIRE-FIGHTING MEASURES

Product is a flammable liquid

Hazchem code: 2YE

a. **Suitable extinguishing equipment:**

Alcohol stable foam, water spray or fog. Dry chemical powder, carbon dioxide for small fires only. Do not use water in a jet.

b. **Specific hazards arising from the chemical**

Carbon monoxide and/or carbon dioxide may be evolved.

c. **Special protective equipment and precautions for fire fighters:**

Wear full protective clothing and self-contained breathing apparatus. Hazchem code 2YE

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Slippery when spilt, avoid accidents and clean up immediately.

Clear the area of personnel.

Remove all sources of ignition.

Take precautionary measures against static discharge.

Ensure electrical continuity by bonding and earthing all equipment.

Avoid breathing in the fumes. Wear protective eye goggles and gloves.

Environmental precautions:

Keep away from drains and surface and ground water.

Attempt to disperse vapour or to direct its flow to a safe location

Methods and materials for containment and cleaning up:

Containment: store in a bunded area

Clean up procedures: Increase ventilation in spill area. Wear protective eye goggles, gloves and a face mask. Clean up using absorbent material and transfer to a labelled container for disposal as outlined in section 13.

Clean the spill area by washing with large quantities of water. Spill area will be slippery until completely dry.

7. HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

a. **Precautions for safe handling**

Highly flammable product. Avoid breathing vapours. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded

Avoid eye contact and breathing in vapour, mists and aerosols. Use in a well-ventilated area.

Keep away from sources of ignition and excessive heat.

Keep out of reach of children.

Avoid eating, drinking or, smoking when using this chemical.

Remove contaminated clothing and protective equipment after using mics and before entering eating areas.

b. **Conditions for safe storage, including incompatibilities.**

Store in cool place and out of direct sunlight.

Keep away from sources of ignition.

Store in a bunded area.

Store in a well-ventilated area.

Store away from foodstuffs.

Store away from incompatible materials described in Section 10.

Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

a. Control Parameters:

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia - Ethanol: 1880mg/m³ (1000ppm) TWA (8hr)

b. Engineering controls:

Ensure adequate ventilation to maintain air concentrations below recommended

exposure standards.

Keep containers closed when not in use

c. Individual Protection measures:

When handling this chemical, individuals should wear safety goggles, plastic overalls and a face mask.

9. PHYSICAL AND CHEMICAL PROPERTIES

- a. Physical state: Liquid
- b. Colour: Clear
- c. Odour: Alcohol
- d. pH: 7
- e. Melting point/freezing point: <0°C
- f. Initial boiling point and boiling range: 78°C
- g. Flash point: 13 (Abel)
- h. Flammability: NA
- i. Upper/lower flammability or explosive limits: 3.5-19.0
- j. Vapour pressure: 44mmHg @ 20°C
- k. Relative density: 0.79-0.81g/ml @15°C
- l. Solubility: NA

10. STABILITY AND REACTIVITY

- a. Reactivity: Stable under normal conditions of use.
- b. Chemical stability: Stable under normal conditions of use.
- c. Possibility of Hazardous reactions: Stable under normal conditions of use.
- d. Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources
- e. Incompatible materials: Strong oxidising agents
- f. Hazardous decomposition products: Burning can produce carbon dioxide or carbon monoxide.

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 or effects that may arise if the product is mishandled and overexposure occurs are:

No data for this product, however for the constituent Ethanol:

LD50 Oral (rat): 7060mg/kg

LC50 Inhalation (rat, 6h): 5900mg/m³

Ingestion:

Swallowing can result in nausea, vomiting, diarrhoea, and gastrointestinal irritation.

Skin irritation:

May cause skin sensitisation in sensitive individuals. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Serious eye damage/irritation:

Eye contact may cause eye damage or irritation.

Respiratory or skin sensation:

Breathing in mists or aerosols may produce respiratory irritation

12. ECOLOGICAL INFORMATION

- a. Ecotoxicity: Avoid contaminating waterways
- b. Persistence and degradability: No data available
- c. Bio-accumulative potential: No data available

13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of containers in accordance with local/regional/national/international regulations. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.

Do not allow waste to enter waterways.

14. TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; **DANGEROUS GOODS.**

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

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

UN number: 1170

Proper shipping name: Ethanol

Australian Dangerous Goods class: 3

Australian Dangerous Goods packing group: II

Hazchem code: 2YE

15. REGULATORY INFORMATION

This Material is **HAZARDOUS** according to Safe Work Australia; Hazardous Substance

Classification:

Flammable Liquids - Category 2

Hazard statement(s):

H225 Highly flammable liquid and vapour

Poisons (SUSMP): 5

16. OTHER RELEVANT INFORMATION

This Safety Data Sheet (SDS) has been prepared by Dalcon Hygiene

Reason(s) for Issue:

- Alignment to GHS requirements

This SDS summarises to the best of our knowledge at the date of issue, the chemical health and safety hazards of the material and provides general guidelines on how to safely handle the material. Dalcon Hygiene cannot anticipate or control the conditions under which the product may be used, stored and transported, therefore, each user must, prior to usage, assess and control the possible risks.

If clarification or further information is required, the user should contact Dalcon Hygiene at the contact details in section 1d.

By using this product, the user agrees that they have read and understood this SDS, and, knowing the risks associated with the product, wish to use the product.