

Material Safety Data Sheet METHYLATED SPIRIT 99%

IMPORTANT: Read this MSDS before handling and disposing of this product and pass this information on to employees, customers and users of this product. The contents and format of this MSDS are in accordance with EC Commission Directive 91/155EEC.

1. Identification

Chemical Name Methylated Spirit 99%
 Company ID No 23684
 Emergency Phone No 01224 825394

2.1 Composition/Information on ingredients

Chemical Characterisation: - Alcohol (Compositions given are typical value, not specifications)

Component Name	Weight	CAS No	Symbol	R-phrases	EEC No
Ethanol	>90%	64-17-5	F	R11	200-578-6
Methanol	<5%	67-56-1	F T	R11-23/25	200-659-6

3. Hazards Identification

Highly Flammable. Harmful by inhalation and if swallowed.

4. First Aid Measures

- Eye Contact
 - Irrigate thoroughly with water for at least 10 minutes. If discomfort persists obtain medical attention.
- Inhalation
 - Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
- Skin Contact
 - Wash thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases obtain medical attention.
- Ingestion
 - Wash out mouth thoroughly with water. In severe cases obtain medical attention.

5. Fire Fighting Measures

Special Risks Highly Flammable
 Vapour/air mixture explosive
 Suitable Extinguishing Media Water spray, dry powder or vaporising liquids

6. Accidental Release Measures

Shut off all sources of ignition. Inform others to keep at a safe distance. Wear appropriate protective clothing. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on an inert absorbent, transfer to container and arrange removal by disposal company. Ventilate area to dispel residue vapour. For large spillage's liquid should be contained with sand or other absorbent material and transferred to salvage containers. Any residues should be treated as for small spillage.

7. Handling and Storage

Handling
 Take precautions against static discharge. All electrical equipment must be flame-proofed.
 Store at room temperature (15 to 25°C recommended)
 Keep well closed, protected from direct sunlight and moisture. Larger drums, 200l, kept in purpose built store.

8. Exposure controls / Personal Protection (as appropriate to quantities handled)

Protective Equipment Goggles or face-shield, rubber or plastic gloves, plastic apron, sleeves and boots if handling large quantities
 Respiratory Protection Self-contained breathing apparatus
 Ventilation Fume cupboard, flameproof

9. Physical and Chemical Properties

Form Liquid
 Density (g/ml) 0.8
 Colour Colourless
 Vapour Pressure n/a
 Odour Characteristic, alcoholic
 Density 1.5
 Melting Point n/a
 Explosion Limits Lower 3.3%
 Explosion Limits Upper 19%
 Boiling Point n/a
 Flash Point 13°C
 Ignition Temperature 425°C
 Solubility in Water (% weight) Miscible in all proportions
 pH Value 7

10. Stability and Reactivity

Stability Stable
 Substances to be Avoided Alkali metals, alkaline metals, oxidising agents, halogen-halogen compounds, alkali oxides, non-metallic halides, anhydrides/acids, ethylene oxide, fluorine, hydrides, mercury compounds, silver compounds, UF₆, chromyl chloride.

11. Toxicological information

After Ingestion Damage to mucous membrane, rapid absorption
 After Absorption Euphoria
 After a latency period, dizziness, inebriation, paralysis, cyanosis, narcosis, respiratory paralysis. After the absorption of large quantities, irreversible damage of the optical nerve.
 No additional toxicology information is available
 No evidence of carcinogenic properties or mutagenic or teratogenic effects.

12. Ecological Information

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

13. Disposal Considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

14. Transportation Information

UN No	UN 1170	IMDG class	3.2
IMO	3.2/1170	Packing Group	II
IATA	1987	Packing Group	II
Correct technical name	Alcohols N.O.S.	ADR/RID	3.3'(b)

15. Regulatory Information

EEC Labelling

Symbol F Xn

R Phrase(s) R11 - 20/22. Highly flammable. Harmful by inhalation and if swallowed

S Phrase(s) S7-16-24-45

Keep container tightly closed

Keep away from sources of ignition - No smoking. Avoid contact with skin.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Local Regulations

Regulated in the UK under the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972.

OES, Long-term, mg/m³: 1900 - Ethanol.

16. Other Information

All information, recommendations and suggestions herein concerning the above product are based upon data believed to be reliable, however, it is the users responsibility to determine the safety, toxicity, and suitability for his/her own use of the product described herein. The information herein should not be construed as being absolutely complete since additional information may be necessary or desirable when special or exceptional circumstances exist or because of applicable laws or regulations.

Disclaimer

The preceding is given in good faith as required under the health and safety at work act 1974, but no warranty is implied or given. The information provided is designed to enable the user to use the product safely. If the information is insufficient to ensure safety in any particular application, contact "the supplier" for further advice before proceeding.

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