

Material Safety Data Sheet

METHYL RED ALCOHOLIC SOLUTION

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 Methyl Red Alcoholic Solution
 Company ID No 19810
 Emergency Phone No 01224 825394

2.1 Composition/Information on ingredients

(This may not be a complete list of components)
 (Compositions given are typical value, not specifications)

Component Name	Weight	CAS No	Symbol	R-phrases	EEC No
Ethanol	70%	64-17-5	F	R11	200-578-6
Methanol	<5%	67-56-1	F T	R11-23/25	200-659-6

3. Hazards Identification

Flammable

4. First Aid Measures

- Eye Contact
 - Irrigate thoroughly with water. If discomfort persists obtain medical attention
- Inhalation
 - Remove from exposure
- Skin Contact
 - Wash thoroughly with soap & water
- Ingestion
 - Wash out mouth thoroughly with water. In severe cases obtain medical attention

5. Fire Fighting Measures

Special Risks Flammable
 Suitable Extinguishing Media Water spray, dry powder or vaporising liquids

6. Accidental Release Measures

Shut off all sources of ignition. Wear appropriate protective clothing. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage with detergent and water.
 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

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

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 Not applicable
 Ventilation Not applicable

9. Physical and Chemical Properties

Form Liquid
 Colour Red
 Odour Alcoholic
 Melting Point n/a
 Boiling Point n/a
 Flash Point 21°C
 Solubility in Water (% weight) Miscible in all proportions
 Density (g/ml) 0.89

10. Stability and Reactivity

Stability Stable
 Substances to be Avoided Strong oxidising agents

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.
 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 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 1993	IMDG class	3.2
IMO	3.2/1993	Packing Group	III
IATA	1993	Packing Group	II
Correct technical name	Flammable Liquid N.O.S	ADR/RID	3,3'(b)

15. Regulatory Information

EEC Labelling	
Symbol	Flammable
R Phrase(s)	R10 - Flammable
S Phrase(s)	S7-16 - Keep container tightly closed. Keep away from sources of ignition - No smoking
Local Regulations	OES, Long-term, mg/m ³ : 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.

Refer Scientific
 Hareburn Terrace
 Blackdog
 Aberdeen
 UK
 AB23 8BE

Rev Date 01.08.07