

Material Safety Data Sheet PHENOLPHTHALEIN

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 Phenolphthalein
 Company ID No 16200
 Emergency Phone No 01224 825394

2.1 Composition/Information on ingredients

Component Name	Weight	Symbol
Isopropanol	99%	F
Phenolphthalein	1%	

3. Hazards Identification

Health Hazard Inhalation of high concentrations of vapour or ingestion of liquid may result in headache dizziness, mental depression, nausea, vomiting, narcosis, anaesthesia and coma. Fatal dose about 100ml. Can cause severe damage if splashed in eyes

Fire & Explosion Hazard Highly Flammable

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.
- Ingestion
 - Wash out mouth thoroughly with water and give plenty of water to drink. 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 for removal by disposal company. If material has entered surface drains it may be necessary to inform local authorities, including fire services.

7. Handling and Storage

Special Requirements as required by the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972. In accordance with HSE guidance note CS17.

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

Protective Equipment Goggles or face-shield. Nitrile 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
 Colour Colourless
 Odour Characteristic
 Melting Point -89°C
 Boiling Point 82°C
 Flash Point 12°C
 Ignition Temperature 425°C
 Solubility in Water (% weight) Miscible in all proportions

10. Stability and Reactivity

Stability - Stable
 Substances to be Avoided - Can react vigorously with oxidising materials. Can ignite in contact with potassium tert-butoxide. Can react exothermically with aluminium. Can form explosive peroxides on prolonged storage.

11. Toxicological information

Toxicity LD50 5045mg/kg oral rat.
 Exposure Limits OES, mg/m³ 980 skin (long term 8 hour TWA).
 No evidence of carcinogenic or mutagenic properties

12. Ecological Information

At low conc. chemical is biodegradable. No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention

13. Disposal Considerations

Dispose of in accordance local authority requirements or pass to a chemical disposal company.

14. Transportation Information

UN No	UN 1219	Class 3
IMDG No	1219	Packing Group 11
UK label	Flammable Liquid	

15. Regulatory Information

EEC Labelling

Symbol

F Highly Flammable

R Phrase(s)

R11 Highly flammable

S Phrase(s)

S7-16 Keep container tightly closed. Keep away from sources of ignition - No smoking

Local Regulations

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

HSW Act 1974

COSHH 1988

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