

Laboratory Risk Assessment

KEYS to symbols used on C.O.S.H.H tables

Control Measures

| | |
|------------|---|
| F/C | Fume cupboard must be used |
| PPE | Personal protective equipment - Safety glasses, lab coat |
| DG | Disposable or rubber gloves |
| LG | Leather gloves |
| AP | Apron must be worn |

Disposal Methods

| | |
|----------|--|
| A | For small quantities - Dilute with copious amounts of water and run to waste in fume cupboard sink with tap running. Leave tap running to flush through. |
| B | For large quantities - decant into a suitable well-labelled container and dispose of via the college hazardous waste facilities. Do not mix with other waste |
| C | Decant into bottle labelled UNCHLORINATED ORGANIC WASTE and dispose of via the college hazardous waste facilities |
| D | Decant into bottle labelled CHLORINATED ORGANIC WASTE and dispose of via the college hazardous waste facilities |
| E | Decant into bottle or drum labelled AQUEOUS ORGANIC WASTE and dispose of via the college hazardous waste facilities |
| F | Decant into a suitable well-labelled container and dispose of via the college hazardous waste facilities. Do not mix with other waste |
| G | Neutralise (test with indicator paper) and flush down the sink with copious amounts of water. |

Emergency Procedures

| | |
|----------|---|
| 1 | Large spillages - do not attempt to clear up. Leave the area and inform the Lab Supervisor immediately. |
| 2 | Large Spillages For large spillages, liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residue should be treated as for small spillages. |
| 3 | Small Spillages (volatile substances) ?? Shut off all sources of ignition Wear appropriate protective clothing. Inform others to keep at a safe distance ?? Mop up with plenty of water and run to waste, diluting greatly with running water. Ventilate area to dispel residual vapour. |
| 4 | Small Spillages ?? Wear appropriate protective clothing. Inform others to keep at a safe distance ?? Mop up with plenty of water and run to waste, diluting greatly with running water. . |
| 5 | Small Spillages ?? Wear appropriate protective clothing. Inform others to keep at a safe distance ?? Neutralise with Sodium carbonate or bicarbonate. ?? Mop up with plenty of water and run to waste, diluting greatly with running water. . |
| 6 | First Aid ?? Eyes -- Irrigate thoroughly with water for at least 10 minutes. SEEK MEDICAL ATTENTION. ?? Lungs -- Remove from exposure, rest and keep warm. In severe cases, or if exposure has been great, SEEK MEDICAL ATTENTION. ?? Skin -- Drench the skin thoroughly with water. Remove contaminated clothing and wash before re-use. Unless contact has been slight, SEEK MEDICAL ATTENTION. ?? Mouth -- Wash out mouth thoroughly with water and give plenty of water to drink. SEEK MEDICAL ATTENTION. ?? Cuts must receive immediate attention |

| | |
|---|--|
| 7 | <p>Small Spillages (volatile substances)</p> <p>?? Shut off all sources of ignition Wear appropriate protective clothing. Inform others to keep at a safe distance</p> <p>?? Absorb onto Spill granules.</p> <p>?? Sweep into suitable labelled container</p> <p>?? Dispose of via College facilities</p> |
| 8 | <p>Small Spillages</p> <p>?? Absorb onto Spill granules.</p> <p>?? Sweep into suitable labelled container</p> <p>?? Dispose of via College facilities</p> |
| 9 | <p>First Aid – If Phenol comes into contact with skin, swab with glycerol for at least 10 mins. Wash with water for 10mins then seek medical attention.</p> |