

Drum Emptying

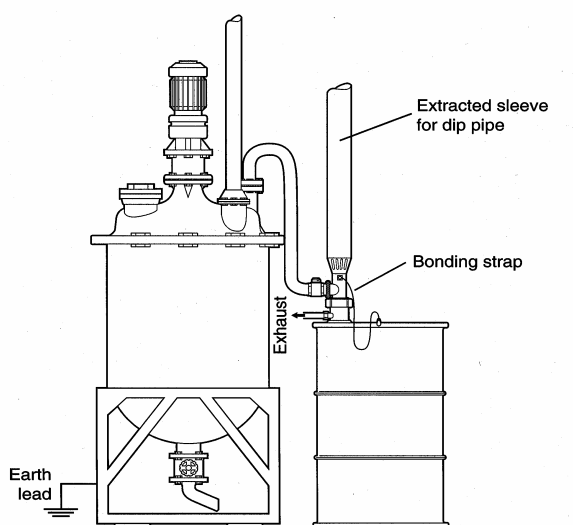
SCOPE

This control sheet is part of the ILO Chemical Control Toolkit and should be used when the toolkit identifies that a control approach 3 solution is needed. The sheet gives good practice advice on the design and use of a high containment drum pump and describes the key points you have to follow to reduce exposure to an adequate level. It is important that all the points are followed. Some chemicals are flammable or corrosive and your controls must be suitable for those hazards too. Look at the safety data sheet for more information. This sheet identifies the minimum standards you need to apply to protect your health. It should not be used to justify a lower standard of control than that which may be required for process control or control of other risks.

ACCESS

- Keep unnecessary people away from the work area. Ensure that no one is working close by downwind.

DESIGN AND EQUIPMENT



- Ensure the work area is well ventilated.
 - The dip pipe should have containment or an extracted sleeve into which dip pipe can be withdrawn when not in use to prevent drips and leaks.
 - Extraction on pump sleeve should be sufficient to remove vapour and create a minimum inward air velocity of 0.5 metres/second across any opening.
 - For flammable liquids, ensure that suitable pumps/fans are used (e.g. flameproof) and that they are properly bonded and earthed.
 - Design work area for ease of access and provide mechanical means of moving drums.
- Discharge extracted air to a safe place away from doors, windows and air inlets.
 - Ensure the equipment, e.g. hoses, are suitable for the fluid being transferred