

IBC Filling and Emptying - Solids

SCOPE

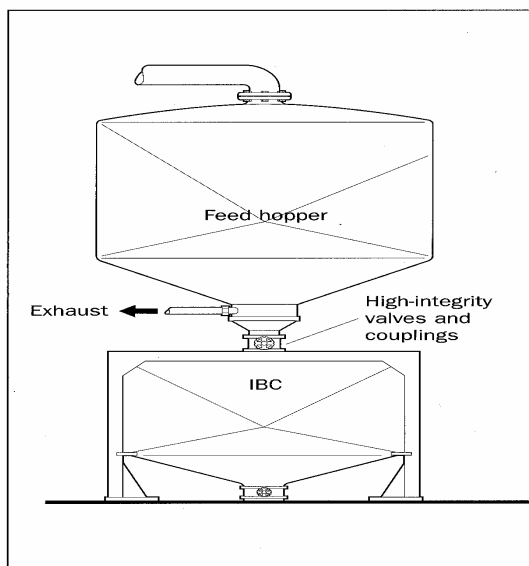
This control sheet is part of the ILO Chemical Control Toolkit and should be used when the toolkit identifies that a control approach 3 solution is needed. The sheet gives good practice advice on filling and emptying powers from IBCs and describes the key points you have to follow to reduce exposure 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 IBC is designed and constructed for the material it will contain.



- Use high-integrity valves and couplings to make connections. Ensure they do not leak.
- Take precautions to prevent overfilling, e.g. load cells.
- Provide a means of isolate or control the filling rate.
- Provide venting to the container being filled. Either vent back to the delivery vessel or discharge to a safe place away from doors, windows, air inlets and walkways.
- Provide good access for fork lift trucks.
- Provide barriers to prevent accidental damage to containers from vehicles etc.
- Consider the need for explosion relief for

combustible solids and ensure the equipment is appropriately bonded and earthed