

What are the hazards and how might they harm?



Back and muscle strain
from manual handling



Cold burns from
leaking cylinders



Crush injuries as a result of
falling cylinders



Asphyxiation from
leaking CO₂



Impact injuries as a result of
uncontrolled movement of cylinders
caused by rapid release of CO₂

What PPE should the individual wear?



Changing CO₂ cylinders

Safety Task Card
STCCS 70

Unit Managers – use page overleaf to list any hazards and control measures specific to your site which are not listed below

Safe System of Work

1. You must wear appropriate PPE, including rigger gloves and, where moving and changing CO₂ cylinders forms a significant part of your role, reinforced toe capped shoes.
2. Use a cylinder trolley or other suitable manual handling aid to transport CO₂ cylinders wherever possible.
3. Close the valve of the empty cylinder.
4. Use the provided spanner to disconnect the cylinder, depending on the set-up, either from the main pressure regulator or the high-pressure hose.
5. Lay the main pressure valve down gently – do not drop it or let it hang.
6. Remove the chain and place the empty cylinder in the storage area, either secured in an upright position or lying down and chocked.
7. Put the full cylinder in place and secure it using the chain.
8. Remove the dust cap and visually inspect the cylinder gas outlet.
9. Any visible dirt should be removed with a clean, dry, lint-free cotton cloth.
10. Do not release CO₂ to clean the valve.
11. Check the washer in the connector hose for damage. Report any damage to your manager.
12. Reconnect the connector hose by hand and tighten with the spanner, but be careful not to overtighten the connection.
13. Carefully open the cylinder.
14. Listen for any leaks.
15. Frost on the outside of the cylinders or valves can also be an indicator of a leak.
16. If you suspect a leak, turn the cylinder valve off immediately, ventilate the area and report to your manager.

If you have any concerns, stop and speak with your line manager before proceeding.

