

Unsafe Mixes Top Compressed Gas Violations



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- Stored oxygen cylinders must be separated from fuel gas cylinders (596 violations).
- Storage of cylinders inside buildings (310 violations).
- Handling, storage and utilization (302 violations).
- Valve protection caps must be in place (167 violations).

Among the hazards associated with compressed gas cylinders are:

- High pressures inside the cylinders, which may turn these vessels into missiles if a valve breaks.
- The risk for fire or explosion when flammable gases such as acetylene are released and an ignition source is present.
- Violent reactions when chemically unstable gases such as acetylene or 1,3-butadiene are exposed to slight temperature changes or pressure increases.
- Asphyxiation when inert gases such as nitrogen displace oxygen to levels too low to sustain life.
- The potential for severe burns when workers are exposed to corrosive gases such as ammonia.