



# Oxygen Gas

liquid oxygen; LOX; molecular oxygen; oxygen,  
liquefied; oxygen-16; pure oxygen

**DANGER! COMPRESSED GAS OXIDIZER!**

## Emergency Overview:

Odorless, colorless gas. Stored as a compressed gas in cylinders. Eye and skin contact may cause frostbite. Inhalation of pure oxygen can cause dizziness and cough above 1 atm. Strong oxidizer capable of igniting combustibles.

**Precautionary Measures:** Avoid exposure to skin. Wear protective clothing: Goggles, Gloves, Apron.

**First Aid Procedures:** Inhalation: If inhaled at pressures > 1 atm and experiencing CNS/respiratory effects, remove to fresh air. Eyes/Skin: For frostbite, immerse skin in tepid (104°F) water until completely rewarmed. Flush eyes with tepid water. Ingestion: Unlikely.

**Fire Procedures:** Noncombustible. However, it is a strong oxidizer capable of igniting combustibles. Remove cylinder from fire area as high temperatures may cause it to rupture.

**Spill Procedures:** Notify safety personnel, isolate and ventilate area, deny entry, stay upwind. Repair leak if possible. Otherwise, remove to safe, outdoor location or fume hood and allow to empty. Tag leaking cylinder as defective and return to supplier.

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