

MSDS	MATERIAL SAFETY DATA SHEET
Leland Limited, Inc. 2614 South Clinton Ave. South Plainfield, NJ 07080 908-668-1008 9-5 EST 908-668-1744** 908-668-7716 **speak a callback number then hit #911. Someone will call back in a short amount of time.	Emergency Contact Information: CHEMTREC Domestic 800-424-9300 International 703-527-3887
	Gas: Oxygen (Compressed Gas) UN# 1072 02, Oxygen, Compressed Gas , Molecular Mass: 32.0

Component: Oxygen, Compressed Gas, Inorganic Gas (CAS# 7782-44-7)
CERCLA Ratings (Scale 0-3): Health=3, Fire=0, Reactivity=0, Persistence=0
NFPA Ratings (Scale 0-4): Health=3, Fire=0, Reactivity=0
Physical State; Appearance: Odorless, Colorless, Tasteless, Gas

Types of Hazard & Exposure	Acute Hazards / Symptoms	Prevention	First Aid / Fire Fighting
Fire	Not Combustible, but enhances combustion of other substances. Heating will cause rise in pressure with risk of bursting.	NO Open Flames, NO Sparks, and NO Smoking. NO contact with flammable substances.	In case of fire in the surroundings: all extinguishing agents allowed.
Explosion	Negligible fire hazard when exposed to heat or flame.	None	In case of fire: keep cylinder cool by spraying with water. Combat fire from a sheltered position.
Exposure			
Inhalation	Cough. Dizziness. Headache. Sore Throat. Visual Disturbance.	None	Refer for medical attention.
Skin	None	None	None
Eyes	None	Safety goggles.	None
Ingestion	None	None	None
Spillage Disposal	Storage	Packaging & Labeling	
Ventilation.	Fireproof. Separated from combustible and reducing substances. Cool.	O Symbol R: 8 S: 2-17 UN Hazard Class 2.2 UN Subsidiary Risks: 5.1	

Physical Properties	Boiling Point: -183°C Melting Point : -218°C Specific Gravity: 1.109 G/L @ 25C Vapor Pressure: 760 mmhg @ -183 C Solubility in Water: 3.2% @ 25 C Solvent Solubility: Soluble in alcohol Vapor Density: 1.1
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Physical Dangers	The gas is heavier than air.
Chemical Dangers	The substance is a strong oxidant and reacts with combustible and reducing materials, causing fire and explosion hazard.
Routes of Exposure	The substance can be absorbed into the body by inhalation.
Effects of Short Term Exposure	The substance at very high concentrations irritates the respiratory tract. The substance may cause effects on the central nervous system, lungs, and eyes.
Effects of long term or repeated exposure	Lungs may be affected by inhalation of high concentrations.
Conditions to Avoid	Do not permit physical damage of cylinders. Avoid contact with combustible materials. Contents are under pressure; cylinders may rupture and travel a considerable distance. Contact of liquefied gases with water may cause explosions due to rapid temperature fluctuations.
Applicable	Leland Produces and ships many gas filled cylinders and the content (type of gas) is identified on the cylinder label, cylinder box, or shipping carton. ORM-D is a shipping label relating to a gas type which has been re-named as Consumer Commodity as allowed per 49 CFR 173.306.