

PRODUCT TECHNICAL SHEET

LIQUID OXYGEN (LOX)

DATE: March 2023

Version: 1



Ref. No.: PS014



Liquid Oxygen (LOX), is a pale blue, odourless and non-toxic liquid which rapidly evaporates to a colourless, odourless and tasteless gas. It is used for big consumption and supply by our cryogenic tank trailer thus reducing cylinder handling

Physical Data	
Specific Volume @20°C	755.4 ml/g
Molecular Weight	32.0
Boiling Point at 101.325kPa	-183°C
Relative Density (air= 1) at 101,325 kPa	1.105 kg/m ³

Gas Specification	
Purity	≥99.5%
CO	≤5 PPM
CO₂	≤300 PPM
H₂O	≤67 PPM

Transport/ Storage Information	
	
UN No 1073	Class 2.2 + 5.1
Store only in approved temperature and pressure rated equipment	
Do not trap liquid between closed valve	
Do not transport in an enclosed vehicle	

Hazards	
Contact with combustible material may cause fire	
Causes burns	
Extremely cold cryogenic Liquid	
All portable Cryogenic (PCC's) containing cryogenic liquids must be regarded as pressure vessels at all times	

Uses and Features	
Widely Use for virtually all modern anaesthetics as well as pre- and post operative management	
Oxygen provide life support by restoring tissue oxygen levels	
Plays vital Role in management of sudden cardiac and respiratory arrest.	
Oxygen can be use in neo-natal resuscitation.	



Supply Information	
<i>Details of a wide range of storage vessels and ancillary equipment are available from Les Gaz Industriels Ltd.</i>	