

OXYGEN AVIATION / O₂



Air Liquide's Gas Encyclopedia - Pages: 1079-1120

Applications

Aerospace industry

Transport information

Compressed gas cylinders

Proper shipping name	Oxygen, compressed
UN-Nr	1072
ADR/RID	Class 2
	Classification code 10



Safety Data Sheets

Compressed gas : SDS-097A-CLP
Access: <https://www.msds-al.co.uk/>

Physical information

Molecular weight	32 g/mol
Relative density:	
Relative density, gas	1,1 (air=1)
Relative density, liquid	1,1 (air=1)
Relative density, liquefied Gas	1,1 (air=1)
Colour	Colorless, white in solid form
Odor	Odorless
CAS number	7782-44-7

Properties

Hazards identification: Oxidizing; frozen liquid gas can cause frostbite

Flammability range: Supports combustion vigorously (violent reaction); may cause ignition of combustible materials



Cylinder equipment

Shoulder colour:
White (RAL 9010)



Product Specifications

Global purity (% Vol. abs) O ₂	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,5 %	H ₂ O ≤ 6	Cylinder	47L	200 bar	10 m3	I1020L47R2A001
	CO ≤ 1					
	CO ₂ ≤ 0,5					
	NO/NO ₂ ≤ 2					
	O ₂ + Ar ≤ 3					
	CH ₄ ≤ 30					
	H ₂ O (5 bar) ≤ 0,01					
	Solvent ≤ 0,1					
	C ₂ H ₂ ≤ 0,05					
	CFC ≤ 1					

Disclaimer

The information contained in this product sheet is based on the technical information and experience currently available to AIR LIQUIDE.

Users are responsible for the use or consequences of use of the information contained in this Product sheet. AIR LIQUIDE makes no warranties regarding the information contained in this document.

The users are responsible for ensuring compliance with regulations (national or European), insurance requirements or codes. Moreover the user is obliged to carry out own tests and checks regarding the suitability of the products and data described herein for his individual purposes and applications.

It is up to users of this document to ensure that they have the latest edition.

The trademarks, trade names, logos or other indications of origin displayed in this Product sheet are registered and unregistered trademarks of AIR LIQUIDE.

It is strictly forbidden to copy or reproduce some or all parts of this Product sheet.