OXYGEN AVIATION / O_2

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

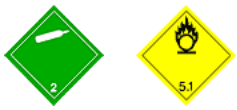
Applications

Aerospace industry

Transport information

Compressed gas cylinders

Proper shipping name	Oxygen, compressed
UN-Nr	1072
ADR/RID	Class 2
	Classification code 1O



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_2O	≤ 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_2O (5 bar)	≤ 0,01					
	Solvent	≤ 0,1					
	C_2H_2	≤ 0,05					
	CFC	≤ 1					

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