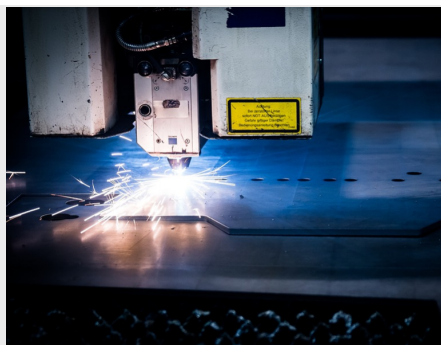


OXYGEN / O₂



Air Liquide delivers oxygen throughout Europe in a mode of supply to suit each of our customer's needs: liquid, cylinder or onsite production

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

Applications

Oxidizing agent
Bleaching agent
Fuel cutting
Silicon oxidation (semiconductor manufacturing)

Transport information

Compressed gas cylinders

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

Refrigerated Gases

Proper shipping name	Oxygen, refrigerated liquid
UN-Nr	1073
ADR/RID	Class 2
	Classification code 3 O



Safety Data Sheets

Compressed gas : N° EIGA097A
Access: <https://be.airliquide.com/>
Refrigerated gas : N° EIGA097B
Access: <https://be.airliquide.com/>

Physical information

Molecular weight	32 g/mol
Relative density:	
Relative density, gas	1.1 (air=1)
Relative density, liquid	1.1 (water=1)
Relative density, liquefied Gas	1.1 (water=1)
Colour	Colorless
Odor	Odorless
CAS number	7782-44-7

Properties

Hazards identification: May cause or intensify fire; Oxidizing agent
Contains cooled gas; may cause cryogenic burns or injury.

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

Personal protection: When handling the product avoid oxygen-enriched atmospheres (> 21%). For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



Cylinder equipment

Valve fittings

Cylinder: A1 - IS 22.9 x 1.814 right-hand female
Bundle: IS 33 * 2.50 right-hand male

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 (5 bar) ≤ 200	Cylinder	20L	200 bar	4,2 m ³	I1001M20R2A001
		Cylinder	50L	200 bar	10,6 m ³	I1001L50R2A001
		Cylinder	50L ALTOP	200 bar	10,6 m ³	I1001L50A2A001
		Bundle	V09*50L	200 bar	96 m ³	I1001V09R2A001
		Bundle	H27*50L	200 bar	290 m ³	I1001H27R2A001
		Liquid	-			I1100RG

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