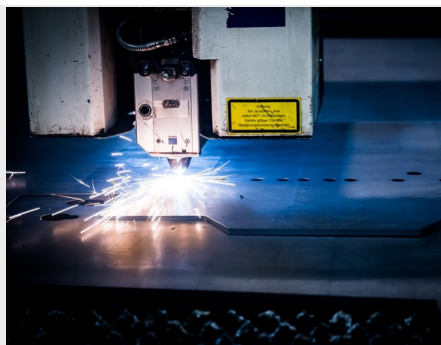


## OXYGEN / O<sub>2</sub>



*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%)



### 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 <sub>2</sub>	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,5 %	H <sub>2</sub> O (5 bar) ≤ 200	Cylinder	20L	200 bar	4,2 m³	I1001M20R2A001
		Cylinder	50L	200 bar	10,6 m³	I1001L50R2A001
		Cylinder	50L ALTOP	200 bar	10,6 m³	I1001L50A2A001
		Bundle	V09*50L	200 bar	96 m³	I1001V09R2A001
		Bundle	H27*50L	200 bar	290 m³	I1001H27R2A001
		Liquid	-			I1100RG

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