

# OXYGEN



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

## ● Applications

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

## ● Transport information

### Compressed gas

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

### Refrigerated gas

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



## ● Safety Data Sheets

Access: [www.airliquide.no](http://www.airliquide.no)

## ● Physical information

Molecular weight . . . . .	32 g/mol
Relative density, gas . . . . .	1.1 (air=1)
Relative density, liquid . . . . .	1.1 (water=1)
CAS number . . . . .	7782-44-7

## ● Properties

Hazards identification: oxidant, strongly supports combustion, may react violently with combustion materials  
 Flammability range: oxidiser  
 Personal protection: avoid O<sub>2</sub> rich (>21%) atmospheres

## ● Cylinder equipment

Valve fittings :  
 W 21.8 x 1/14", right, external thread, DIN 6  
 SMARTOP: W 21.8 x 1/14", right, external thread, DIN 6  
 ALTOP: G 1/4", right, external thread  
 Shoulder colour: white (RAL 9010)



## ● Product Specifications

Global purity (% Vol. abs)	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure (bar)	Capacity (m <sup>3</sup> )	Product reference
O <sub>2</sub>						
≥ 99.5	H <sub>2</sub> O ≤ 200	Cylinder	S05	200	1.1	I1001S05R2E001
		Cylinder	M20 Smartop	200	4.3	I1001M20S2A001
		Cylinder	M20 Altop	200	4.3	I1001M20A2A001
		Cylinder	L50 Smartop	200	10.9	I1001L50S2A001
		Cylinder	L50 Altop	200	10.9	I1001L50A2A001
		Bundle	H10	200	108.7	I1001H10R2A001
		Bundle	H20	200	173.9	I1001H20Z2A001
		Liquid				I1100RG

Product compliant with ISO 14175-O1 Standard (welding application)

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