

# LASAL™ 2003 / O<sub>2</sub>



*LASAL™ is the Air Liquide brand for laser applications*

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

## Applications

Laser cutting gas  
Laser quality Oxygen

## Transport information

### Compressed gases

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-LAS  
Access: <https://be.airliquide.com/>  
Refrigerated gas : N° EIGA097B-LAS  
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:** Oxidising, intensive support combustion, can react violently with combustible materials

**Flammability range:** Oxidant

**Personal protection:** Avoid O<sub>2</sub> rich (>21%) atmospheres



## 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
≥ 99,95 %	H <sub>2</sub> O (5 bar) ≤ 10	Cylinder	50L	200 bar	10,6 m <sup>3</sup>	I6540L50R2A001
	Ar ≤ 500	Bundle	V12*50L	200 bar	127 m <sup>3</sup>	I6540V12R2A001
		Ranger	180 L	1.5 to 12 bar	134 m <sup>3</sup>	I6540R18RMA001
		Bundle	V16*50L	200 bar	170 m <sup>3</sup>	I6540V16R2A001
		Bundle	H27*50L	200 bar	290 m <sup>3</sup>	I6540H27R2A001
		Liquid	-			I1150RG

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