

LASAL™ 2003 / O₂



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 0

Refrigerated Gases

Proper shipping name	Oxygen, refrigerated liquid
UN-Nr	1073
ADR/RID	Class 2
	Classification code 3 0



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 O₂ rich (>21%) atmospheres. 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
≥ 99,95 %	H ₂ O (5 bar) ≤ 10	Cylinder	50L	200 bar	10,6 m ³	I6540L50R2A001
	Ar ≤ 500	Bundle	V12*50L	200 bar	127 m ³	I6540V12R2A001
		Ranger	180 L	1.5 to 12 bar	134 m ³	I6540R18RMA001
		Bundle	V16*50L	200 bar	170 m ³	I6540V16R2A001
		Bundle	H27*50L	200 bar	290 m ³	I6540H27R2A001
		Liquid	-			I1150RG

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