

# ALPHAGAZ 1 OXYGEN

O<sub>2</sub>

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



**ALPHAGAZ**, the simple solution to enhance your analytical performance

**ALPHAGAZ 1**, the commitment to quality for % to ppm analysis

## ● Applications

Flame gas  
Instrumentation gas

## ● Transport information

### Compressed gas

Proper shipping name  
UN Nr  
ADR/RID

Oxygen, compressed  
1072  
Class 2  
Classification Code 1 O



## ● Safety Data Sheet

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  
Shoulder colour: white (RAL 9010)



## ● Product Specifications

Global purity (% mol)	Impurities (ppm-mol)		Supply mode	Packaging size	Pressure (bar)	Capacity (m <sup>3</sup> )	Product reference
O <sub>2</sub>							
≥ 99.995	H <sub>2</sub> O	≤ 3	Cylinder	S10	200	2.2	P0361S10R2A001
	C <sub>n</sub> H <sub>m</sub>	≤ 0.5	Cylinder	L50 Smartop	200	10.9	P0361L50S2A001
			Bundle	H10	200	108.7	P0361H10R2A001

Product recommended for analysis from % to ppm  
Shelf life: 60 months

## DISCLAIMER

The information contained in this Product Sheet is of a general nature and does not take into account any specific or local condition or regulation and shall neither be considered as recommendations. AIR LIQUIDE assumes no liability or responsibility regarding the information contained in this Product Sheet, the completeness of this document, for the use of the information or consequences of such use, and disclaims all warranties (direct or indirect) of any kind.