

# OXYGEN INDUSTRIAL



*TIGCS delivers Oxygen in a mode of supply to suit each of our customer's needs: cylinder, liquid container, bulk 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 10



## • Physical information

Molecular weight . . . . . 32 g/mol  
Relative density, gas . . . . . 1.1 (air=1)  
Relative density, liquid . . . . . 1.14 (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 O2 rich (>23%) atmospheres

## • Cylinder equipment

Valve: CGA 540  
Cylinder color: Black

## • Safety Data sheets

Access:

## • Product Specification

Components (% Vol. abs)	Impurities (ppm v/v)		Supply mode	Packaging size	Pressure (bar)	*Capacity (m3)
O <sub>2</sub>						
≥ 99.5%	H <sub>2</sub> O	≤ 100	Cylinder	47L	150	7
			Pack16	47L	150	112
			Liquid	VGL 180L	MP	145
			Liquid	VGL 180L	HP	135



\*Typical capacities of the product are guaranteed for each cylinder in particular.

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