

# CARBON DIOXIDE (CO<sub>2</sub>)



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

## • Applications

Chemical synthesis  
Cryogenic fluid  
Inerting agent  
Protective atmosphere (welding,...)  
Acidification agent

## • Transport information

### Liquefied gas

Proper shipping name Carbon dioxide  
UN Nr 1013  
ADR/RID Class 2 Classification Code 2 A

### Refrigerated gas

Proper shipping name Carbon dioxide, refrigerated liquid  
UN Nr 2187  
ADR/RID Class 2 Classification Code 3 A



## • Safety Data sheets

Access:

## • Product Specification

Components (% Vol. abs)	Supply mode	Packaging size	Capacity (KG)
CO <sub>2</sub>			
≥ 99.5%	Cylinder	47L	25
	Pack 16	47L	400

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

## • Physical information

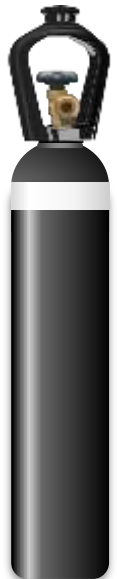
Molecular weight . . . . . 44.01 g/mol  
Relative density, gas . . . . . 1.52 (air=1)  
Relative density, liquid  
Liquefied gas . . . . . 0.82 (water=1)  
Refrigerated gas . . . . . 1.03 (water=1)  
CAS number . . . . . 124-38-9

## • Properties

Hazards identification: in high concentrations may cause asphyxiation  
Flammability range: non flammable  
Personal protection: ensure adequate ventilation

## • Cylinder equipment

Valve: CGA 320  
Cylinder color: Black



## 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. TIGCS 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.