


CARBON DIOXIDE – CO₂

TRANSPORT INFORMATION

UN Number	Class and classification code	Name and description
1013	2 – 2A	CARBON DIOXIDE

LABEL		SHOULDER COLOUR	Dusty grey RAL 7037	
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VALVE THREADING

Output connection no.	Group	Designation	Specification
2	II	2-UNI 11144	Male threading W 21,7 x 1/14"

PROPERTIES

Density	1,52 (aria = 1)
Gas density	1.8075 kg/m ³ @ 25 °C
Color	Colorless
Odor	Odourless
Physical state	Gas @20°C/101,3 kPa
Hazards	Asphyxiant in high concentrations.
	TLV©-TWA [ppm]: 5.000
Consigli di prudenza	Wear safety glasses with side protection.
	Wear safety gloves and safety shoes when handling cylinders.
	Do not smoke during handling.
	Store in a well-ventilated place.

COMPOSITION

	Food grade E290	Pure 4.5
Concentration [%]	≥ 99,9	≥ 99,995
Humidity (H ₂ O) [ppm v/v]	< 50	≤ 5
Oxygen (O ₂) [ppm v/v]	< 30	≤ 3
Carbon monoxide (CO) [ppm v/v]	≤ 10	≤ 0,1
Nitrogen		< 10
Nitrogen Oxides (NO-NO ₂) [ppm v/v]	≤ 10	
HC (C _n H _m) [ppm v/v]	< 30	≤ 5
Sulfur (S) [ppm v/v]	≤ 0,5 (*)	
Oil [ppm p/p]	≤ 5	

 (*) = data referred to liquid CO₂