

CARBON DIOXIDE 4.5 / CO₂



Air Liquide's Gas Encyclopedia - Pages: 333 - 368

Applications

Laboratory Research
Organic Solvent
Pharmaceutical Manufacturing
Instrumentation gas: Mobile Phase
Carrier Gas

Transport information

Liquified Gases

Proper shipping name	Carbon Dioxide
UN-Nr	1013
ADR/RID	Class 2
	Classification code 2A



Safety Data Sheets

Liquefied gas : SDS-018A-CLP
Access: [https://www.msds-al.co.uk/assets/file_assets/SDS-018A_CLP_Carbon_dioxide\(124-38-9\).pdf](https://www.msds-al.co.uk/assets/file_assets/SDS-018A_CLP_Carbon_dioxide(124-38-9).pdf)

Physical information

Molecular weight	44 g/mol
Relative density:	
Relative density, gas	1,53 (air=1)
Relative density, liquefied Gas	0,82 (water=1)
Colour	Colorless
Odor	Odorless
CAS number	124-38-9

Properties

Hazards identification: Contains gas under pressure; may explode under the effect of heat. Asphyxiant in high concentrations.

Flammability range: Non-flammable



Cylinder equipment

Valve fittings

BS341 - No 8 or DIN 477 No 6

Shoulder colour:

Grey (RAL 7037)



Product Specifications

Global purity (% Vol. abs) CO ₂	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,995 %	H ₂ O ≤ 5	Cylinder	50L	< 99 bar	37,5 kg	P0760L50R0A001
	O ₂ ≤ 25	Cylinder	50L DIP TUBE	< 99 bar	37,5 kg	P0760L50T0A001
	N ₂ ≤ 25					
	CO ≤ 1					
	O ₂ + Ar ≤ 1					
	-					

Additional information

Storability: 60 months

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