

CARBON DIOXIDE R744 / CO₂



CARBON DIOXIDE R744 is the Air Liquide eco-friendly product for refrigerating equipment

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

Applications

Natural cooling medium for commercial and industrial refrigerating equipment

Lowest GWP (Global Warming Potential)

Transport information

Liquified Gases

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



Safety Data Sheets

Liquefied gas : N° EIGA 018A

Access: <https://be.airliquide.com/>

Physical information

Molecular weight	44,01 g/mol
Relative density:	
Relative density, gas	1.52 (air=1)
Relative density, liquefied Gas	0.82 (water=1)
Relative density, refrigerated Gas	1.03 (water=1)
Colour	Colorless
Odor	Odorless
CAS number	124-38-9

Properties

Hazards identification: In high concentrations may cause asphyxiation

Flammability range: Non-flammable

Personal protection: Ensure adequate ventilation. For full and more detailed information, please consult the Material Safety Data Sheet (MSDS).



Cylinder equipment

Valve fittings

Cylinder: B4 - IS 21.7 x 1.814 right-hand, male

Shoulder colour:

Grey (RAL 7037)



Product Specifications

Global purity (% Vol. abs) CO ₂	Impurities (ppm w/w)	Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,99 %	H ₂ O ≤ 5	Cylinder	27L DIP TUBE	49.5 bar	20 kg	I5104L27T0A001
		Cylinder	50L DIP TUBE	49.5 bar	37 kg	I5104L50T0A001

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