• Air Liquide

CARBON DIOXIDE / CO₂



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

Applications

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

Transport information

Liquified Gases

 Proper shipping name
 Carbon Dioxide

 UN-Nr
 1013

 ADR/RID
 Class 2

 Classification code 2A

Refrigerated Gases

Proper shipping name UN-Nr ADR/RID Carbon Dioxide 1013 Class 2 Classification code 3A



Safety Data Sheets

Liquefied gas : N° EIGA018A Access: https://be.airliquide.com/ Refrigerated gas : N° EIGA018B Access: https://be.airliquide.com/ Air Liquide is Europe's leading supplier of carbon dioxide and operates more than twenty purification and liquefaction facilities, enabling satisfaction of all customers needs

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: Not toxic, but effect on heart rhythm and respiratory rate can appear at 8-10% (or more) concentrations

Flammability range: Non-flammable

Personal protection: Ensure adequate ventilation



Cylinder equipment

Valve fittings Cylinder: B4 - IS 21.7 x 1.814 right-hand male Bundle: WW 1'1/8 right-hand male

Shoulder colour: Grey (RAL 7037)



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Product Specifications

Global purity (% Vol. abs) CO ₂	Impurities (ppm v/v)		Supply mode	Packaging size	Pressure	Capacity	Product reference
≥ 99,7 %	H ₂ O (5 bar)	≤ 200	Cylinder	13L	49.5 bar	10 kg	I5100S13R0A001
			Cylinder	13L DIP TUBE	49.5 bar	10 kg	I5100S13T0A001
			Cylinder	27L	49.5 bar	20 kg	I5100L27R0A001
			Cylinder	27L DIP TUBE	49.5 bar	20 kg	I5100L27T0A001
			Cylinder	50L	49.5 bar	37 kg	I5100L50R0A001
			Cylinder	50L DIP TUBE	49,5 bar	37 kg	I5100L50T0A001
			Bundle	V12*50L	49.5 bar	360 kg	I5100V12R0A001
			Bundle	V12*50L	49.5 bar	360 kg	I5100V12T0A001
			Liquid	-			I5100RG

Air Liquide

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