

CARBON DIOXIDE



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

● 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



● 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 fittings : W 21.8 x 1/14", right, external thread, DIN 6
- Shoulder colour: grey (RAL 7037)



● Safety Data Sheets

Access: www.airliquide.no

● Product Specifications

Global purity (% Vol. abs)	Impurities (ppm v/v)	Supply mode	Packaging size	Pressure (bar)	Capacity (kg)	Product reference
CO ₂						
≥ 99.7	H ₂ O ≤ 200	Cylinder	S08	51	6	I5100S08R0E001
		Cylinder	S08DT	51	6	I5100S08T0E001
		Cylinder	S13	51	10	I5100S13R0E001
		Cylinder	M20	51	15	I5100M20R0A001
		Cylinder	L40	51	30	I5100L40R0A001
		Cylinder	L40DT	51	30	I5100L40T0A001
		Bundle	V08	51	240	I5100V08R0A001
		Bundle	V12	51	450	I5100V12R0A001
		Liquid				I5100RG

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