

LASAL™ 2 / CO₂



LASAL™ is the Air Liquide brand for laser applications

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

Applications

CO2 laser cavity gas

CO2 High Purity

Transport information

Compressed gases

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



Safety Data Sheets

Compressed gas : SDS-018A_CLP

Access:

https://drive.google.com/open?id=1QQ7MyFxPg4PfFfYHazo8f62AJuSLK9HQ&usp=drive_copy

Physical information

Molecular weight	44,01 g/mol
Relative density:	
Relative density, gas	1,52 (air=1)
Relative density, liquid	1,03 (water=1)
Relative density, liquefied Gas	1,03 (water=1)
Relative density, refrigerated Gas	1,03 (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

Personal protection: Ensure adequate ventilation



Cylinder equipment

Shoulder colour:

Grey (RAL 7037)



Product Specifications

Global purity (% Vol. abs)	Impurities (ppm v/v)		Supply mode	Packaging size	Pressure	Capacity	Product reference
CO ₂							
≥ 99,995 %	H ₂ O (5 bar)	≤ 20	Cylinder	50L	< 99 bar	37,5 kg	I6510L50R0A001
	CnHm (excluding CH ₄)	≤ 5					
	CH ₄	≤ 15					

Additional information

* CnHm: without CH₄ CH₄ : AL strongest spec 15 ppm

Disclaimer

The information contained in this product sheet is based on the technical information and experience currently available to AIR LIQUIDE.

Users are responsible for the use or consequences of use of the information contained in this Product sheet. AIR LIQUIDE makes no warranties regarding the information contained in this document.

The users are responsible for ensuring compliance with regulations (national or European), insurance requirements or codes. Moreover the user is obliged to carry out own tests and checks regarding the suitability of the products and data described herein for his individual purposes and applications.

It is up to users of this document to ensure that they have the latest edition.

The trademarks, trade names, logos or other indications of origin displayed in this Product sheet are registered and unregistered trademarks of AIR LIQUIDE.

It is strictly forbidden to copy or reproduce some or all parts of this Product sheet.