

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 : N° EIGA018A-LAS
Access: <https://be.airliquide.com/>

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. 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) | Impurities (ppm v/v) | | Supply mode | Packaging size | Pressure | Capacity | Product reference |
|-------------------------------|-----------------------------------|------|----------------|----------------|----------|----------|-------------------|
| CO ₂ | | | | | | | |
| ≥ 99,995 % | H ₂ O (5 bar) | ≤ 20 | Cylinder | 50L | 49,5 bar | 37 kg | I6510L50R0A001 |
| | CnHm (excluding CH ₄) | ≤ 5 | | | | | |
| | CH ₄ | ≤ 15 | | | | | |

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