



Carbon Dioxide, Ref. Liq.

Description

Carbon Dioxide is a colourless, odourless, non flammable gas that is denser than air.

Applications

- Making dry ice snow
- Protective atmosphere in arc welding
- pH control for pools
- Carbonation of soft drinks, beers, juices, water, etc.
- Tapping and dispensing of beer
- Food packaging
- Food freezing, chilling, purging and inerting
- Blanketing of wine and grape juice
- Grain storage fumigation
- Refrigeration systems
- Solvent for extraction of organic chemicals
- Fire extinguishers
- Greenhouse atmosphere enrichment
- Propellant in aerosol packaging

Hazard statement(s)

- Contains refrigerated gas; may cause cryogenic burns or injury.
- May cause long lasting harmful effects to aquatic life.

Prevention statement(s)

- Avoid release to the environment.
- Wear cold insulating gloves/face shield/eye protection.

Response statement(s)

- Get immediate medical advice/attention.
- Thaw frosted parts with lukewarm water. Do not rub affected area.

Storage statement(s)

- Store in a well-ventilated place.

Disposal statement(s)

- Dispose of contents/container in accordance with relevant regulations.

Other Hazards

- In high concentrations may cause asphyxiation. Contact with liquid may cause cold burns/frostbite.

Signal Word: Warning
 UN No.: 2187
 Hazard No.: 2T
 Chem Symbol: CO₂
 Pictograms:



Carbon Dioxide, Ref. Liq.

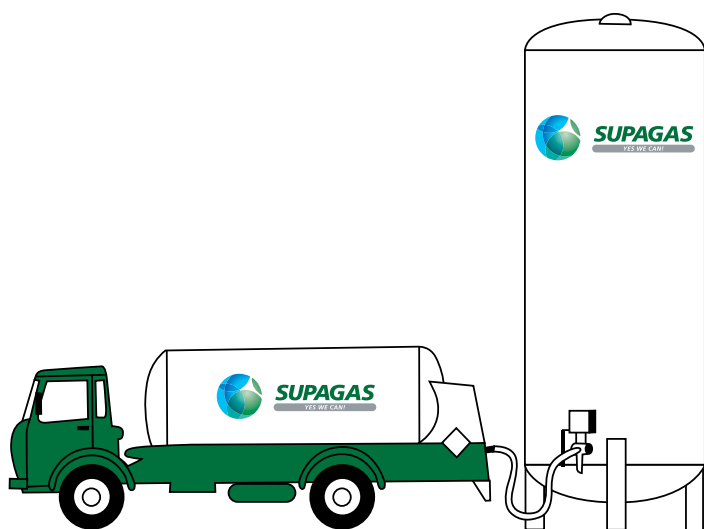


General Specifications

Physical Data	
Chemical Symbol	CO ₂
Boiling Point	-78.5°C
Relative Density (Air=1)	1.53
Molecular Weight	44.01
Critical Temperature	-21.0°C
Flashpoint	Non flammable
Density of Gas @ 101.3 kPa & 15°C	1.872 kg/m ³
Density of Liquid (B.Pt.)	6300 kg/m ³
Specific Volume @ 101.3 kPa & 15°C	0.535 m ³ /kg

Storage Tanks

Tank Size Range
≥250 - < 60,000 lt



Typical Analysis

Product Type	CO ₂	O ₂	Moisture
Refrigerated Liquid	≥99.9%	<30ppm	<20ppm

Quality Assurance

Supagas Pty Ltd is committed to comply with the requirements of ISO 9001-2015 and to continually improve the effectiveness of our Quality Management System.

Everyone at Supagas understands we must provide a safe environment for both our employees and the wider community. We are therefore committed to implement and maintain a continual improvement approach throughout the organisation whilst also meeting all applicable statutory and regulatory requirements.

NATA Accreditation

The Supagas Laboratory located in Ingleburn, NSW has a NATA

Accreditation (No. 18955). Accredited for compliance with ISO/IEC 17025 and ISO Guide 34, Reference Gas Mixtures prepared to ISO 6142.



For Further Information

On how we can help you with all your gas and welding needs, drop in to your local Supagas branch or call Customer Service on 13 78 72.