

# Carbon Dioxide



## Description

Is a non-flammable gas which is odourless, colourless and non-toxic.

## Applications

It is employed in the food industry in the following applications:

- Carbonation of soft drinks, lemonade, soda, fruit juices and beer, etc.
- Recharging of natural mineral waters with carbon dioxide
- Conservation of wine, unfermented grape juice and various fruit juices
- Tapping of beer and prevention of oxidation through contact with the air
- Accelerating the growth of farm produce as an atmosphere additive

It is employed in the chemical industry in the following applications:

- Preparation of sodium carbonate, alkaline bicarbonates, lead carbonate and various organic substances (e.g. salicylic acid)
- Production of paints and varnishes and manufacture of foam rubber
- pH control of water in swimming pools

## Hazard statement(s)

- Contains gas under pressure; may explode if heated.
- May cause long lasting harmful effects to aquatic life.

## Prevention statement(s)

- Avoid release to the environment.

## Response statement(s)

- None allocated.

## Disposal statement(s)

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

## Storage statement(s)

- Protect from sunlight. Store in a well-ventilated place.

## Other hazards

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

Signal Word: Danger

UN No.: 1013

Hazard No.: 2(T)E

Chem Symbol: CO<sub>2</sub>

Pictograms:



# Carbon Dioxide



## General Specifications

Specifications	D Cylinder	VT Cylinder	F Cylinder	G Cylinder	12 Pack
Cylinder/Pack (101.325kPa @15°C) - kg	6.0	10.0	22.0	31.0	372.0
Water capacity per cylinder - L	10	15	34	50	600
Cylinder Colour	Green Grey				
Outlet Connection	Type 30				
Package Dimensions (H x W x D) - mm	650 x 204	705 x 215	1,335 x 230	1,580 x 230	1,900 x 780 x 1,020

Cylinder dimensions are approximate – variations may occur due to manufacturing tolerances. Height includes the valve. Container sizes may vary from state to state.

## Package Sizes Available



## 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 17034.

## Typical Analysis

Product Type	CO <sub>2</sub>	O <sub>2</sub>	Acetaldehyde	Moisture
Food Grade	≥99.9%	<30ppm	<0.2ppm	<20ppm
High Purity Grade	≥99.9%	<30ppm	-	<10ppm
Industrial Grade	≥99.5%	-	-	-

## For Further Information

On how we can help you with all your residential and industrial gas needs, view our website [supagas.com.au](http://supagas.com.au), call Customer Service on 13 78 72 or drop in to your local Supagas branch.