

# Oxygen, Ref. Liq.



## Description

Oxygen is colourless, odourless and tasteless. It is not flammable but vigorously supports combustion. In its liquid form appears pale blue in colour.

## Applications

- Used for MAP (Modified Atmospheric Packaging) gases
- Oxy-acetylene welding
- Flame cleaning
- Oxy cutting
- Flame heating
- Flame hardening
- Water treatment
- Chemical reactions requiring increased oxidation rates
- Laser cutting assist gas

## Hazard statement(s)

- May cause or intensify fire; oxidizer.
- Contains gas under pressure; may explode if heated.

## Prevention statement(s)

- Keep/Store away from clothing/incompatible materials/combustible materials.
- Keep reduction valves free from grease and oil.
- 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.
- In case of fire: Stop leak if safe to do so.

## Storage statement(s)

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

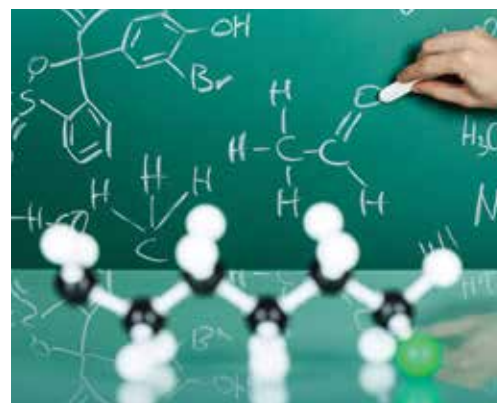
Signal Word: Danger

UN No.: 1073

Hazard No.: 2P

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

Pictograms:





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## General Specifications

Physical Data	
Chemical Symbol	O <sub>2</sub>
Boiling Point	-183.0°C
Relative Density (Air=1)	1.105
Molecular Weight	31.999
Critical Temperature	-118.8°C
Flashpoint	Non flammable
Density of Gas @ 101.3 kPa & 15°C	1.355 kg/m <sup>3</sup>
Density of Liquid (B.Pt.)	1141 kg/m <sup>3</sup>
Specific Volume @ 101.3 kPa & 15°C	0.738 m <sup>3</sup> /kg

## Storage Tanks

Tank Size Range
>1,000 - < 60,000 lt

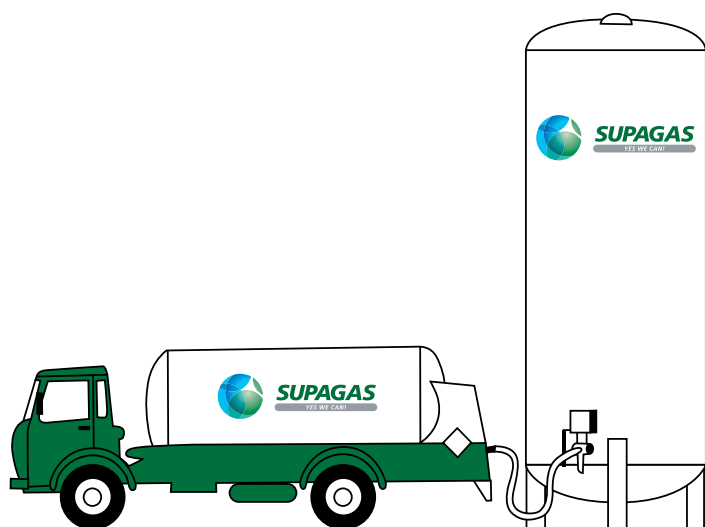
## Quality Assurance

Supagas Pty Ltd is committed to comply with the requirements of ISO 9001-2019 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.

## 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.



## Typical Analysis

Product Type	CO <sub>2</sub>	Moisture
Refrigerated Liquid	>99.5%	<20ppm