

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.

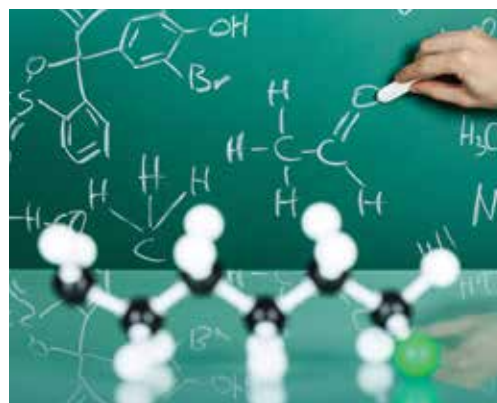
Signal Word: Danger

UN No.: 1073

Hazard No.: 2P

Chem Symbol: O₂

Pictograms:





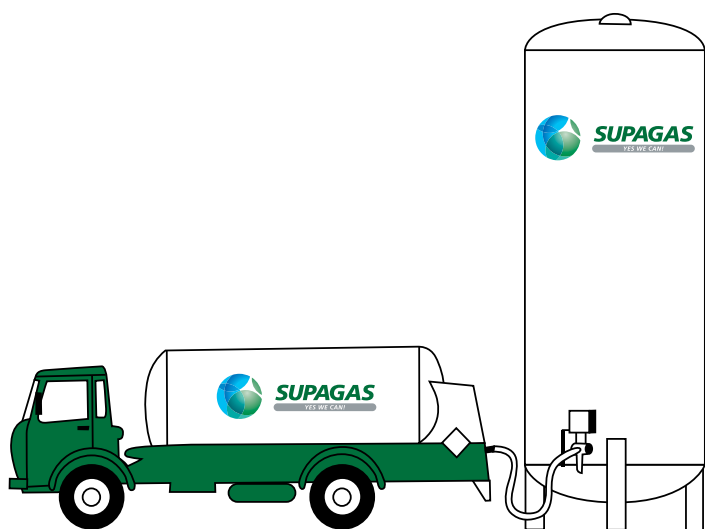
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General Specifications

Physical Data	
Chemical Symbol	O ₂
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 ³
Density of Liquid (B.Pt.)	1141 kg/m ³
Specific Volume @ 101.3 kPa & 15°C	0.738 m ³ /kg

Storage Tanks

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



Typical Analysis

Product Type	CO ₂	Moisture
Refrigerated Liquid	>99.5%	<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.