

# Nitrogen, Ref. Liq.



## Description

Nitrogen is an almost totally inert gas which is both colourless and odourless. Liquid Nitrogen is non flammable and does not support combustion.

## Applications

- Wine sparging/inerting
- Purging
- Tyre inflation
- Inert atmospheres
- Food packaging
- Gauge calibration
- Metal degassing
- Aerosol propellant
- Hydraulic systems
- Photo processing
- Mixed with H<sub>2</sub> or He for leak detection
- Food freezing
- Plastic forming
- Pipeline testing
- Air tools
- Firefighting
- Medical
- Laser Assist Gas
- Medical & Lab Applications

## Hazard statement(s)

- Contains refrigerated gas; may cause cryogenic burns or injury.

## Prevention statement(s)

- 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)

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

## Other hazards

- Asphyxiant. Effects are proportional to oxygen displacement.

Signal Word: Warning

UN No.: 1977

Hazard No.: 2T

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

Pictograms:





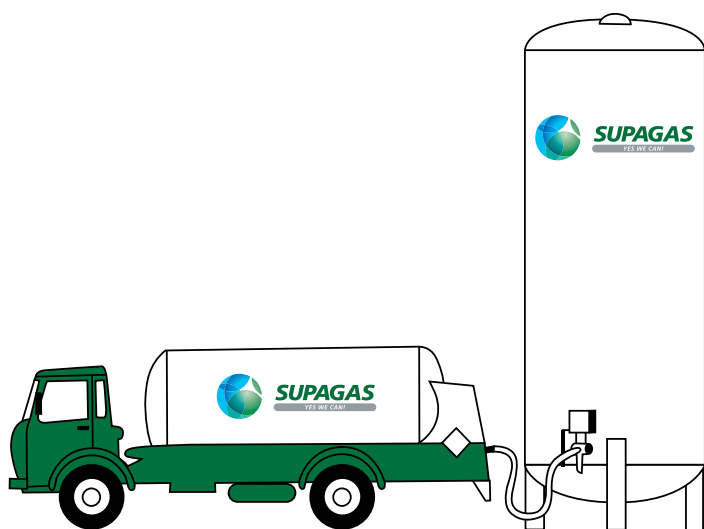
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## General Specifications

Physical Data	
Chemical Symbol	N <sub>2</sub>
Boiling Point	-195.8°C
Relative Density (Air=1)	0.967
Molecular Weight	28.013
Critical Temperature	-147.1°C
Flashpoint	Non flammable
Density of Gas @ 101.3 kPa & 15°C	1.170 kg/m <sup>3</sup>
Density of Liquid (B.Pt.)	809 kg/m <sup>3</sup>
Specific Volume @ 101.3 kPa & 15°C	0.855 m <sup>3</sup> /kg

## Storage Tanks

Tank Size Range
≥250 - < 60,000 lt



## Typical Analysis

Product Type	N <sub>2</sub>	O <sub>2</sub>	Moisture
Refrigerated Liquid	99.999%	<5ppm	<5ppm

## 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.

## 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.

## 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.