



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 H₂ or He for leak detection
- Food freezing
- Plastic forming
- Pipeline testing
- Air tools
- Firefighting
- Medical

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: N₂
 Pictograms:





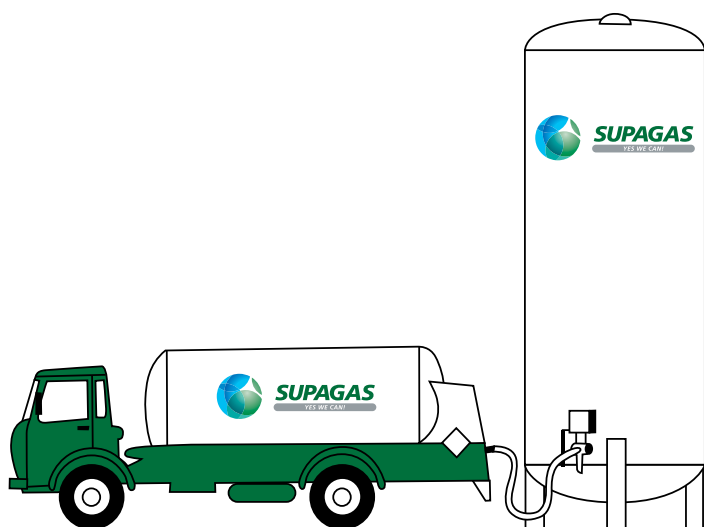
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General Specifications

Physical Data	
Chemical Symbol	N ₂
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 ³
Density of Liquid (B.Pt.)	809 kg/m ³
Specific Volume @ 101.3 kPa & 15°C	0.855 m ³ /kg

Storage Tanks

Tank Size Range
≥250 - < 60,000 lt



Typical Analysis

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

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.