

Nitrogen

1. Identification of the material and supplier

Supplier name: Supagas Pty Ltd
Address: 23 Commercial Drive, DANDENONG SOUTH, Vic 3175
Telephone: (03) 9706 6262
Fax: (03) 9706 4787
Emergency: 24hr EMERGENCY T: (03) 9883 5623
 EMERGENCY SERVICES: DIAL 000
Website: www.supagas.com.au
Product Name: Nitrogen, compressed
Chemical Name: Nitrogen
Chemical Formula: N₂
Product Uses: Gas purging, food packaging, winemaking, air tools, scientific equipment testing applications.

2. Hazards identification

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE.

Risk Phrase:

RA5- Asphyxiant in high concentrations

Safety Phrase:

S9 - Keep container in a well ventilated space
 S23- Do not breathe gas/fumes/vapour/spray

3. Composition / information on ingredients

Ingredients:

Name	Proportion	Code
Nitrogen N ₂	>99.99%	7727-37-9

4. First aid measures

If poisoning occurs, contact a doctor or Poisons Information Center Ph: 131 126

Swallowed: Not applicable.

Skin: Not applicable.

Eyes: Not applicable.

Inhaled: Avoid becoming a casualty - use self-contained. Breathing apparatus to rescue victims of asphyxia from enclosed situation.

Remove from exposure, rest and keep warm. If breathing has stopped apply artificial respiration. Medically trained personnel may need to administer oxygen.

FIRST AID FACILITIES

Recommended: Oxygen resuscitation equipment. Self contained breathing apparatus, and trained personnel, for rescue operations.

Advice to Doctor: Treatment for asphyxiation.

5. Fire fighting measures

Flammability: Non Flammable

Fire and Explosion: Not a fire hazard. Non-flammable gas, may extinguish fire. Heat from a fire may cause cylinder to rupture. Cool cylinders with water, spray from a protected place. Do not approach cylinders that may be hot. Evacuate if cylinders cannot be cooled. Suitable extinguishing media: Water fog or fine water spray

Hazchem Code: 2(T)

Danger of violent reaction or explosion? No

Protective Clothing: Breathing apparatus and protective gloves for fire only.

Appropriate Measures: Dilute

Evacuate? No

6. Accidental release measures

Disposal of small spillage only.

CAUTION: Before dealing with spillage take the necessary protective measures, inform others to keep at a safe distance. Contact supplier for specific assistance. Allow gas to escape to atmosphere, preferably in an open remote location. Prevent vented gas from re-entering ventilation intakes or similar.

7. Handling and storage

Store cylinders upright in an enclosure, preferably outside of buildings, protected from direct sunlight. Secure cylinders by chains or similar device to prevent falling over. Store cylinders below 45°C. Keep away from flammable or combustible materials. Keep away from vehicular traffic and other thoroughfares. Protect from physical damage. Protect regulators and other fittings from impact.

8. Exposure control/personal protection

National Occupational Health & Safety Commission (NOHSC) – (WorkSafe Australia)

TLV-TWA: None assigned by NOHSC
 Simple asphyxiant

TLV-STEL: None assigned by NOHSC
 Simple asphyxiant

Engineering Controls: Ensure adequate ventilation (same as outdoors) when using. Consider local mechanical exhaust or forced ventilation if working in enclosed spaces.

Personal Protection: Do not breathe high vapour levels. Personal Protection to be selected from those recommended below, as appropriate to mode of use, quality handled and degree of hazard:
 Self Contained Breathing Apparatus, Gloves, Safety Shoes
 Positive pressure or Air-fed hood

Flammability: Not Flammable

9. Physical and chemical properties

Appearance: Colourless gas, very slightly soluble in water

Odour: Odourless

Boiling Point: -195.8°C (°C at 101.32 kPa); -195.8

Vapour Pressure: Not applicable

Volatiles: 100%

Evaporation Rate: Immediate

Vapour Density: 0.906 (Air = 1) (0°C, 101.3 kPa)

Weight per ml: Not applicable

Flash Point: None

Flammability Limits: None

Auto-Ignition Temperature: No data found

Other Properties: Permanent Gas

Material compatibility: Inert non-corrosive

10. Stability and reactivity

Is compatible with most regularly used materials.

11. Toxicological information

General: No known toxicological effects from this product.

12. Ecological information

General: No ecological damage caused by this product.

13. Disposal considerations

General: Return to manufacturer or supplier for correct disposal of cylinders.

14. Transport information

Proper shipping name: Nitrogen, compressed

UN Number: 1066

Class/Division: 2.2 Non - flammable gas, non-toxic gas

Subsidiary risk: None

Hazchem code: 2 (T)

Packaging Group Method: Not applicable

EPG: 2C1

Storage Temperature: Room temperature.

Poisons Schedule: None assigned

Uses: As an inert gas blanket, source of inert, pressurised Gas

Observe requirements of The Australian Code for the Transport of Dangerous Goods by Road and Rail. Observe the requirements of State Dangerous Goods (Storage and Handling) Regulations.

15. Regulatory information

Poison Schedule: Not scheduled.

16. Other information

Prevent spillage from leaking into enclosed spaces.

Report Reviewed: 05/08/2011

Date Printed: 05/08/2011