

# Air Compressed

## 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:** Air - Compressed  
**Chemical Name:** Nitrogen / Oxygen / Argon  
**Chemical Formula:** N<sub>2</sub> / O<sub>2</sub> / Ar  
**Product Uses:** Operation of Pneumatic tools, starting diesel engines.

## 2. Hazards identification

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

### Safety Phrase:

S2 - Keep out of reach of children  
 S3 - Keep in a cool place  
 S51- Use only in well ventilated areas

## 3. Composition / information on ingredients

### Ingredients:

Name	Proportion	Code
Nitrogen N <sub>2</sub>	78%	7727-37-9
Oxygen O <sub>2</sub>	21%	7782-44-7
Argon Ar	1%	7440-37-1

## 4. First aid measures

**Swallowed:** Not applicable.

**Skin:** See medical attention if any effects of exposure persist or immediately if extending from physical injury.

**Eyes:** Seek medical attention, or immediately if extending from physical injury.

**Inhaled:** Remove from source of contamination, to fresh air. Keep warm and comfortable. If distress in breathing administer resuscitation and CPR if no pulse found. Seek medical attention immediately.

### FIRST AID FACILITIES

**Recommended:** Eyewash and Safety shower.

**Advice to Doctor:** Treat symptomatically.

## 5. Fire fighting measures

**Flammability:** Non-flammable

**Fire and Explosion:** Air is non-flammable, but the cylinder may rupture when heated. Move cylinders away from heat source and cool with water. Evacuate the area immediately. If safe remove cool cylinders from the path of the fire.

**Suitable extinguishing media:** Water fog or fine water spray

**Hazchem Code:** 2T

**Danger of violent reaction or explosion?** No

**Protective Clothing:** Breathing apparatus and protective gloves.

**Appropriate Measures:** Dilute

**Evacuate?** No

## 6. Accidental release measures

**Spills and Leaks:** Not applicable to air.

**Disposal:** Reuse or recycling may also be possible and should be investigated. Alternatively, return properly labelled cylinders to the supplier with all valve outlet plugs, caps and protection caps secured, for proper disposal. If the cylinder is leaking, wear appropriate PPE (personal protective equipment) and carefully move it to a well ventilated remote area then allow to discharge. Do not attempt to repair leaking valve or cylinder fusible plugs.

## 7. Handling and storage

Cylinders shall be stored in a cool, dry, well ventilated area out of direct sunlight and away from heat and ignition sources. Outside or detached storage is preferred. No part of cylinders shall be exposed to temperatures above 55°C. Cylinders shall be stored upright on a level, fireproof floor, secure in position and protected from damage. Full cylinders shall be stored separately from empties. Label empty cylinders and keep separate from those that are full.

## 8. Exposure control/personal protection

**Ventilation:** No special ventilation precautions are normally required when handling this product.

**Exposure Standards:** Nitrogen (7727-37-9)  
 ES-TWA: Asphyxiant  
 WES-TWA: Asphyxiant  
 Argon (7440-37-1)  
 ES-TWA: Asphyxiant  
 WES-TWA: Asphyxiant

**Engineering Controls:** Ensure ventilation is adequate to maintain oxygen concentrations above 18%

**Personal Protection:** Wear safety glasses and leather gloves.

**Flammability:** Non Flammable.

## 9. Physical and chemical properties

**Appearance:** Colourless and tasteless  
**Boiling Point:** Not applicable (available)  
**Vapour Pressure:** Not applicable (available)  
**Evaporation Rate:** Not applicable (available)  
**Odour:** Odourless  
**Liquid Density:** 876kg/m<sup>3</sup> @ - 194°C 101.3kPa (abs)  
**Weight per ml:** 23.96  
**Flash Point:** Not flammable  
**Flammability Limits:** Not flammable  
**Auto-Ignition Temperature:** No data  
**Solubility in Water:** 0.286m<sup>3</sup>/kg

## 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:** Air Compressed  
**UN Number:** 1002  
**Class/Division:** 2.2  
**Subsidiary risk:** None  
**Hazchem code:** 2 (T)  
**Packaging Group Method:** Not applicable  
**Labelling ADR:** Label 2: non flammable non toxic gas  
**EPG:** 2C1  
**Storage Temperature:** Storage of compressed gas cylinders in compliance with state or territory regulations.  
**Poisons Schedule:** None assigned  
**Uses:** Used in operation of pneumatic tools.  
*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

**Report Reviewed:** 01/09/2008  
**Date Printed:** 11/02/2009