Medical Oxygen, 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: MEDICAL OXYGEN, compressed
Chemical Name: Oxygen
Chemical Formula: O_2
Product Uses: Assists in obtaining the required level of oxygen - Respiratory Therapy, Anaesthesia, Hyperbaric and High Altitude Breathing.

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:
R8 - Contact with combustible material may cause fire
RFb- May cause frostbite

Safety Phrase:
S9 - Keep container in a well ventilated space
S17- Keep away from combustible material
S36A- Use suitable protective equipment

3. Composition / information on ingredients

Ingredients:

Name	*Proportion*	*Code*
Oxygen O_2	> 99.5%	7782-44-7

4. First aid measures

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

Swallowed: Not applicable.

Skin: If skin contact occurs with oxygen, remove contaminated clothing and flush skin thoroughly with water.

Eyes: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Inhaled: Remove from exposure, rest and keep warm. If unconscious, assist breathing and seek medical assistance immediately.

FIRST AID FACILITIES

Advice to Doctor: Product is Oxygen, compressed. Overexposure to high concentrations of oxygen at elevated pressures may lead to delayed onset of pulmonary oedema.

5. Fire fighting measures

Flammability: Non Flammable

Fire and Explosion: Not flammable. Will support combustion. Contact with combustible materials may cause fire. Combustible materials, such as grease and oils, in contact with oxygen under pressure may cause explosion. Compressed gas: exposure to high temperatures, as in a fire, may lead to explosion. Do not approach cylinders suspected of being hot. Cool cylinders exposed to fire with water from a safe location. Never wear clothing saturated with Nitrous Oxide.

Suitable extinguishing media: Water fog or fine water spray

Hazchem Code: 2 (S)

Danger of violent reaction or explosion? Yes

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

Appropriate Measures: Dilute

Evacuate? Yes, if cylinders near, or in path of fire

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 and shut off all possible sources of ignition. Shut off pressure regulator or cylinder valve if safe to do so. Isolate cylinder if safe to do so. Relieve system pressure. Disconnect cylinder and remove to a safe, open area. Allow venting to atmosphere. Inform cylinder supplier or emergency services as appropriate. Do not attempt to repair damaged valve or regulators.

7. Handling and storage

Store cylinders securely in a cool, well-ventilated area, out of direct sunlight. Keep valves closed, even on empty cylinders. Keep away from naked flames and other sources of heat. No Smoking. Keep away from flammable or combustible material. Keep away from the oils and grease. Prevent gas from collecting in enclosed or low-lying places. Rotate cylinders in storage to ensure that they are not stored for excessive periods. Protect from physical damage, particularly valves and regulators. Store away from heavy traffic and emergency exits.

8. Exposure control/personal protection

National Occupational Health & Safety Commission (NOHSC)
TLV-TWA: None assigned
TLV-STEL: None assigned
Engineering Controls: Prevent contact with grease and oils. Do not use combustible materials for construction. Always use with a regulator, and pressurise systems slowly. Secure cylinders at all times. Ensure adequate ventilation (same as outdoors) at all times.
Personal Protection: Avoid exposure to high concentrations of oxygen during pregnancy. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:

Safety Glasses, Safety Shoes, Rubber Gloves

Flammability: Not Flammable. Will support combustion. Contact with combustible materials such as grease and oil may cause fire. Combustible materials, such as grease and oils, in contact with oxygen under pressure may cause explosion.

9. Physical and chemical properties

Appearance: Colourless gas, slightly soluble in water
Boiling Point: -183 °C
Melting Point: -218.4°C
Vapour Pressure: Not applicable
Volatiles: 100%
Evaporation Rate: Not applicable
Odour: Odourless
Vapour Density: 1.105 @ 25°C (Air=1)
Weight per ml: Not applicable
Flash Point: None
Flammability Limits: None
Auto-Ignition Temperature: No data
Other Properties: Soluble in ethanol and other organic liquids. Oxidiser. Will support and enhance combustion.

10. Stability and reactivity

Many materials which will not burn in air, will forcefully burn in pure oxygen. Non metals must be oxygen compatible. Oil and grease can spontaneously ignite at low temperatures in oxygen enriched areas.

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: Oxygen, compressed
UN Number: 1072 Oxygen, compressed
Class/Division: 2.2 Non - flammable gas, non-toxic gas
Subsidiary risk: 5.1 Oxidiser
Note: Cylinders of compressed oxygen may be labelled with an "Oxidising gas" label instead of class 2.2 and subsidiary risk 5.1 Labels.
Hazchem code: 2 (S)
Packaging Group Method: Not applicable
EPG: 2C6
Storage Temperature: Room Temperature
Poisons Schedule: None assigned
Uses: Medical applications, Respiration Therapy, Anaesthesia, Hyperbaric and High Altitude Breathing.
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 leaking gas from entering drains or sewers.

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