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## Medical Oxygen E.P.

### Life support, resuscitation, anaesthetic delivery

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**WARNING: OXYGEN AIDS AND INCREASES COMBUSTION**

Oxygen strongly supports combustion (including some materials which do not normally burn in air). Smoking is prohibited when medical oxygen is in use, and no naked flame is allowed. There is a high risk of spontaneous combustion if oxygen comes into contact with oils, greases and tarry substances. Refer MSDS before use.

Oxygen is colourless, odourless and tasteless. Oxygen is pale blue in liquid form. It will vigorously support and accelerate combustion. It is supplied as a compressed gas in high pressure cylinders. Generally considered non-toxic at atmospheric pressure. Materials not normally considered combustible may be ignited by sparks in Oxygen-rich atmospheres. Advice should be sought from BOC before using any materials for Oxygen service which have not been supplied for use with Oxygen and marked accordingly.

**Uses**

- Essential for human respiration, Oxygen sustains life
- In anaesthesia, Oxygen functions as a carrier gas for the delivery of anaesthetic agents to the tissues of the body
- In respiratory therapy, Oxygen is administered to increase the amount of Oxygen and thus decrease the amount of other gases circulating in the blood
- Oxygen is also widely used in high altitude and underwater breathing, and hyperbaric chambers
- Oxygen is used as the basis for virtually all modern anaesthetic techniques as well as pre and post operative management
- To provide life support by restoring Oxygen levels in tissue for a range of conditions such as; cyanosis as a result of cardiopulmonary disease; surgical trauma, chest wounds and rib fractures; shock, severe haemorrhage and coronary occlusion; Carbon Monoxide poisoning; hyperpyrexia; major trauma e.g.: road traffic accidents and gunshot wounds
- In the management of sudden cardiac and respiratory arrest, whether drug induced or traumatic
- In the resuscitation of the critically ill when the circulation is impaired and in neo-natal resuscitation



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**Classifications**

1072 UN NUMBER

2.2, 5.1 CLASS

115 AUST. MSDS

054 N.Z. MSDS

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