

Life Jackets and Baby Cots

SUPPLIER:

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SECTION 1. PRODUCT IDENTIFICATION

This Material Safety Data Sheet complies with self-inflating Life-Saving Appliances and Inflatable Buoyant Apparatus charged with Carbon Dioxide gas that during transport present a danger (UN2990 Class 9). This applies to all Life Jacket, Life Vest, Inflatable Life Preserver, Individual Flotation Device, Personal Flotation Device and Baby cot / Flotation Device Part Numbers within Survitec Group, RFD Beaufort Limited.

SECTION 2. COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: Carbon Dioxide Gas, UN1013

CAS NUMBER: 124-38-9

PERCENTAGE: 100%

SECTION 3. HAZARDS IDENTIFICATION

3.1 CLASS 1 – EXPLOSIVES

Life-Saving Appliances MAY contain signal devices which include smoke and illumination signal flares. These signal devices are packed in plastic or fibreboard inner and contain no risk of mass explosion. However toxic gases may evolve from a fire distress signal.

3.2 CLASS 2.2 - GASES

The cylinder or cylinders contain Carbon Dioxide which is non-flammable and connected to the Life-Saving Appliances. The gas may vent from cylinder or inflate the liferaft / life-saving appliances if heated excessively or under fire conditions.

3.3 CLASS 3 – FLAMMABLE LIQUIDS

Life-Saving Appliances MAY contain a repair kit, which is packed in a strong inner packaging and has a flash point of 10.6°C. A small steel tube of adhesive (32g) is supplied which is flammable. It may also be harmful by inhalation and may cause skin irritation.

SECTION 4. FIRST AID MEASURES

If contact is made with either the gases from the distress signals, gases from the cylinders or flammable liquids, the following measures should be taken:

- 4.1 **INHALATION** - Provide patient with fresh air and seek medical assistance.
- 4.2 **EYE CONTACT** - Irrigate thoroughly with water and seek medical assistance.
- 4.3 **SKIN CONTACT** - Wipe excess adhesive off with paper towel, then clean with resin removing cream. Finally wash with soap and water. The use of solvents should not be used.
- 4.4 **INGESTION** - Do not induce vomiting. Seek medical assistance.

SECTION 5. FIRE FIGHTING MEASURES

- 5.1 **FIRE EXTINGUISHING MEDIA**
 - Water, Carbon Dioxide, dry chemical powder or appropriate foam.
- 5.2 **UNUSUAL FIRE AND EXPLOSION HAZARDS**
 - Carbon Dioxide does not burn; however, containers, when involved in a fire, may rupture or burst in the heat of the fire.
 - Use care in confined spaces as inflated appliance will be several times larger than original package.
 - May create harmful fumes under fire conditions.
- 5.3 **PERSONAL PROTECTION**
 - Use air-ventilated full masks and full protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

The Life-Saving Appliance presents no hazards that require safety measures.

SECTION 7. HANDLING AND STORAGE

Temperatures above 40°C should be avoided.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

If inflated in a confined space, either intentionally or by accident, ventilation should be provided to disperse Carbon Dioxide gases. The surrounding areas should be monitored for Carbon Dioxide and Oxygen levels. The level of Carbon Dioxide must

be below 3%, and the atmosphere must have at least 19.5% Oxygen before personnel can be allowed in the area with out Self-Contained Breathing Apparatus.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE - Gas

COLOUR - Colourless

ODOUR - Odourless

BOILING POINT - Not Available

FREEZING POINT - Not Available

VAPOUR PRESSURE - Not Available

VAPOUR DENSITY - Not Available

DENSITY - Not Available

WATER SOLUBILITY - Not Available

PH - Not Applicable

VOLATILITY - Not Applicable

ODOUR THRESHOLD - Not Available

EVAPORATION RATE - Not Applicable

COEFFICIENT OF WATER/OIL DISTRIBUTION - Not Applicable

SECTION 10. STABILITY AND REACTIVITY

Stable under normal temperature conditions. However, avoid exposing cylinders of compressed gas to extremely high temperatures, which could cause the cylinders to rupture or burst.

SECTION 11. TOXICOLOGY INFORMATION

Carbon Dioxide occurs naturally in the atmosphere but medical conditions such as heart or cardiovascular disorders and respiratory disorders could be aggravated by exposure.

SECTION 12. ECOLOGICAL INFORMATION

Carbon Dioxide occurs naturally in the atmosphere and due to the small cylinder size; no adverse effect on animals or plants is anticipated if one cylinder of this product is released.

SECTION 13. WASTE DISPOSAL CONSIDERATIONS

Waste disposal should be in accordance with applicable regulations.

SECTION 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME & LABELLING REQUIREMENTS: Life Saving Appliance, Self Inflating, UN2990

ID NUMBER: UN 2990 Class 9.

SECTION 15. REGULATORY INFORMATION

N/A

SECTION 16. OTHER INFORMATION

When two or more gases or liquefied gases are mixed, their hazardous properties may combine to create additional, unexpected hazards.