

MATERIAL SAFETY DATA SHEET

CARBON DIOXIDE (CO₂) CYLINDERS



OCEAN SAFETY®

Ocean Safety,
Saxon Wharf,
Lower York Street,
Southampton,
SO14 5QF, UK.

www.oceansafety.com

1. PRODUCT INFORMATION AND DETAILS OF THE MANUFACTURING COMPANY

PRODUCT NAME: RE-ARM KITS AND RECOVERY MODULE
RELEASE/SPARES PACK

MANUFACTURER: Ocean Safety Ltd
Saxon Wharf,
Lower York Street,
Southampton, SO14 5QF

PHONE: +44 (0) 23 80 720 800

FAX: +44 (0) 23 80 720 801

EMERGENCY PHONE: +44 (0) 7855 662 229

2. COMPOSITION/INFORMATION ON THE INGREDIENTS

Carbon Dioxide is supplied in cylinders as a liquid under its own vapour pressure which varies with temperature. It is non-toxic, non-flammable and heavier than air.

3. NATURE OF DANGER

Contains compressed CO₂ gas which may vent from cylinder or inflate the module if heated excessively.

4. FIRST AID MEASURES

If in contact with CO₂ gas: Inhalation – Provide patient with fresh air and seek medical advice.

5. FIRE-FIGHTING MEASURES

Carbon dioxide is commonly used as an extinguishing agent, and therefore, should not present a problem when trying to control a blaze. Use extinguishing media appropriate for the surrounding fire.

6. MEASURES IN CASE OF ACCIDENTAL SPREADING

Non-applicable.

7. HANDLING AND STORAGE

Do not expose to temperatures over 40°C

8. PERSONAL PROTECTION/EXPOSURE CONTROL

Ascertain that an adequate supply of water is available for first aid or fire fighting.

MATERIAL SAFETY DATA SHEET

CARBON DIOXIDE (CO₂) CYLINDERS



OCEAN SAFETY®

Ocean Safety,
Saxon Wharf,
Lower York Street,
Southampton,
SO14 5QF, UK.

www.oceansafety.com

9. PHYSICAL/CHEMICAL PROPERTIES

Liquefied pressure gas, colourless, odourless, non-flammable.

10. STABILITY AND REACTIVITY

Normally stable, avoid exposing cylinders of Carbon Dioxide to extremely high temperatures.

11. TOXICOLOGICAL INFORMATION

CO₂ only dangerous in high quantities.

12. ECOLOGICAL INFORMATION

Carbon Dioxide occurs naturally in the atmosphere, the gas will be dissipated rapidly in well ventilated areas. Due to the small cylinder size, no adverse effect on animals or plants is anticipated.

13. DISPOSAL

Waste disposal must be in accordance with the appropriate local regulations.

14. INFORMATION ON TRANSPORTATION

CLASS 2.2 UN 1013, CARBON DIOXIDE

Aerosols, gas cartridges and receptacles, small, containing gas with a capacity not exceeding 50ml, containing no constituents subject to these instructions other than a Division 2.2 gas, are not subject to these instructions unless their release could cause extreme annoyance or discomfort to crew members so as to prevent the correct performance of assigned duties. The words "not restricted" and the special provision number A98 must be provided on the air waybill when an air waybill is issued.

15. INFORMATION ON THE REGULATIONS

Gas cylinders comply with the requirements of the CEN standards (EN395,396,399, sections 4.7 & 7.2) for lifejackets and also the requirements for Inflation Medium. Containers in the proposed third Edition of ULI 191.

16. OTHER INFORMATION

Non-applicable.

ISSUE DATE: Nov 2021