

TRANSPORT EMERGENCY CARD (ROAD)

CARGO

GASES IN CYLINDERS - DATA AND SAFETY SHEET

Name of substance(s): SUBSTANCE IDENTIFICATION (S1) NO. 1013

CARBON DIOXIDE (CO₂)

Gas Specification: British Standard,
International Standard:
Ministry of Defence Standard:
USAF Standard:

Physical Data: Molecular Weight 44.01 Colourless
Odourless Slightly soluble in water
Density Gas (21 C @ 1 atm) 0.1144 13/Ft3

IMMEDIATE ACTION BY DRIVER - NOTIFY POLICE AND FIRE BRIGADE

- * STOP THE ENGINE
- * NO NAKED LIGHTS - NO SMOKING
- * MARK ROADS AND WARN OTHER ROAD USERS
- * KEEP PUBLIC AWAY FROM DANGER AREA
- * KEEP UPWIND.

SPILLAGE: * STOP LEAKS IF WITHOUT RISK

SAFETY WARNING: ASPHYXIANT IN CONFINED SPACES

Hazardous Properties: Compressed gas in cylinders

FIRE: ACTION IN EVENT OF FIRE

In general, vacate area, call fire bridge. If unable to extinguish fire keep surrounding containers cool with water hosed from a safe distance. Inform fire brigade of potential danger of exploding and rocketing containers.

FIRST AID: HEALTH HAZARDS

Symptoms:

Exposure to CO₂ will give symptoms only by displacement of oxygen thus causing asphyxia. Symptoms of asphyxia include increasingly rapid respiration, fatigue and nausea, leading to loss of consciousness and death. At high concentrations almost instant unconsciousness may occur followed by death.

Inhalation (asphyxiation):

Breathing apparatus will be necessary if victim is in a confined space. Minimising personal risk immediately remove victim to uncontaminated area. Ensure there is no obstruction to the airway. If breathing weak or stopped apply artificial respiration with simultaneous administration of oxygen, preferably using oxygen resuscitator. Summon Ambulance. Keep warm and rested.

ADDITIONAL INFORMATION - SAFETY PRECAUTIONS

Store cylinders away from fuel gases. Define areas where smoking and the use of naked flames are prohibited.

Clothing impregnated should be ventilated by walking in fresh open air for 2 minutes.

All equipment, tools and clothing should be free of oil and grease.

EMERGENCY ACTION - LEAKING CYLINDER

Minimising risk of enrichment of clothing etc., check cylinder valve closed. Move cylinder to an open space, away from combustible materials. Post warning notices (including NO SMOKING)

Prepared By: G. SQUARED AVIATION LTD. Tele: 01444-242051 from the best knowledge available; no responsibility is accepted that the information is insufficient or correct in all cases.

APPLIES ONLY DURING ROAD TRANSPORT