

TRANSPORT EMERGENCY CARD (ROAD)

CARGO

GASES IN CYLINDERS - DATA AND SAFETY SHEET

Name of substance(s): SUBSTANCE IDENTIFICATION (S1) NO. 1066

HIGH PURITY NITROGEN N₂

HIGH PURITY NITROGEN IS SUPPLIED COMPRESSED TO A HIGH PRESSURE

Typical Analysis: Purity - 99.5%* Specification 99.999%*

* includes argon

Physical Data:

Molecular Weight	28.01	Colourless
Boiling Point (1 atm)	-195.8 C	Odourless
Density Gas (15 C 1 atm)	1.185kg/m ³	
Specific Gravity of Gas (Air = 1)	0.967	

Cylinder Characteristics: Colour Code: Body - Grey, Shoulder - Black

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 GAS

Hazardous Properties: Asphyxiant in high concentrations. Very slightly lighter than air.

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 nitrogen 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.

EMERGENCY ACTION - LEAKING CYLINDER

If cylinder in enclosed area, evacuate the area. Minimising risk of asphyxiation, check cylinder valve closed. Move cylinder to a fume room or open space downwind and away from persons. 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