

**TRANSPORT EMERGENCY CARD  
(ROAD)**

**Nitrogen, Refrigerated liquid**

UN No. 1977  
CLS 2.2  
Trans Cat 3  
EAC 2RE  
HIN 22

**Product**

- Colourless, Odourless, deeply refrigerated liquefied gas

**Nature of Hazard**

- The gas is suffocating without warning
- Spilled liquid evaporates quickly, the gas is very cold and produces mist, restricting visibility
- The gas may be heavier than air and can spread along the ground
- Liquid contact with skin results in cold burns (injuries may be permanent)
- Liquid contact with eyes results in severe injury (injuries may be permanent)
- Heating will cause pressure rise, severe risk of bursting and subsequent explosion
- Spilled liquid has very low temperature, can cause material embrittlement

**PPE for Vehicle Crew**

- Suitable eye protection
- Suitable gloves providing thermal insulation
- Protective boots

**Emergency Action by Driver**

**Notify Police and Fire Brigade immediately, then:  
Do**

- Move vehicle to open ground where practical
- Stop engine, isolate electrics
- Keep public away from danger
- Keep upwind
- Avoid contact with liquid
- Ventilate clothing exposed to product
- Advise and assist Emergency Services

**Do not**

- Allow naked lights
- Touch liquid or bare pipes without suitable protection
- Attempt to deal with any fire involving the load, but minor vehicle fires should be tackled with the vehicle fire extinguishers, if safe to do so
- Enter dense vapour clouds
- Enter pits, hollow or troughs
- Allow water to be sprayed onto relief valve

**Emergency Information**

**(Driver and Emergency Services)**

**First Aid**

- In case of contact with liquid, slowly thaw frosted parts with cold water, then remove clothing carefully
- Seek medical treatment when anyone has symptoms apparently due to inhalation or contact with skin or eyes.

**Emergency Services Information**

**PPE**

- Emergency Services as per vehicle crew. Emergency Action Code requires breathing apparatus
- Breathing apparatus, harness and life lines for confined space

**Fire**

- Keep load cool by spraying with water – significant risk of catastrophic failure due to increasing pressure when exposed to fire
- Keep personnel away and upwind

**Spillage**

- Shut off leaks, if safe to do so
- Keep personnel away and upwind
- Warn personnel in pits, hollows and troughs
- Prevent fluid entering pits, hollows and troughs
- Contain leaking liquid with sand or earth, allow to evaporate naturally – do not use water
- Safety devices may operate unexpectedly when heat applied or insulating jacket damaged, causing danger from cryogenic liquid spraying onto personnel.

**Emergency Telephone Number & Company Address**