

Chlorine

UN No.	1017
CLS	2.3
SH	8
Trans Cat	1
EAC	2XE
HIN	268

Product

- Pale green toxic liquefied gas with characteristic odour

Nature of hazard

- The gas is highly toxic through inhalation or by absorption through skin
- Heating will cause pressure rise, severe risk of bursting and subsequent explosion
- The gas is corrosive in the presence of water, and can thus cause injury to the eyes and skin
- The gas is heavier than air, and will spread along the ground
- Increases fire risk. Combustible material (e.g. clothing) ignites more readily and burns fiercely
- Reacts with oils, fats or highly combustible substances generating heat, and may cause spontaneous fire or explosion

PPE for vehicle crew

- Suitable respiratory protective device
- Suitable eye protection
- Eyewash bottle with clean water
- For loose cylinders
- Leather or thick textile gloves
- Protective boots

Emergency Actions 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
- Put on protective clothing before entering danger area
- Ventilate clothing exposed to product
- Advise and assist Emergency Services

Do not

- Allow naked lights
- Smoke
- 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 pits, hollows or troughs

Emergency Information (Driver and Emergency Services)

First Aid

- If substance has got into eyes, immediately wash out with plenty of water
- 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 full protection
- 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
- Warn personnel in pits, hollows and troughs
- Keep personnel away and upwind
- Use water spray to knock down vapour
- If vapour cloud drifts towards populated area warn inhabitants and keep them indoors. On the advice of an expert, consider evacuation

Emergency telephone number

UK: 0500 020202

Republic of Ireland: 01 4566526