

Flammable gases (in receptacles)

UN No.	N/A
CLS	2.1
Trans Cat	2
EAC	2WE
HIN	23

Product

- Colourless, usually odourless, compressed, dissolved or liquefied gas

Nature of hazard

- Highly flammable, may form explosive mixture with air
- Heating will cause pressure rise, severe risk of bursting and subsequent explosion
- The gas may be heavier than air, and can spread along the ground
- Acetylene cylinders, if heated, can explode without warning, even several hours later
- Escape of liquefied gas can cause cold burns
- The gas is suffocating without warning

PPE for vehicle crew

- Suitable eye protection
- 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
- 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

- Seek medical treatment when anyone has symptoms apparently due to inhalation, burns or liquid contact with skin or eyes

Emergency Services Information

PPE

- Emergency Services as per vehicle crew. Emergency Action Code requires full protection

Fire

- Keep receptacles cool by spraying with water - significant risk of catastrophic failure due to increasing pressure when exposed to fire
- Keep personnel away and upwind
- Do not extinguish a leaking gas flame unless absolutely necessary. Consult an expert. Extinguish any other secondary fires
- For Acetylene cylinders refer to "Acetylene Cylinders in Fires" flowchart. Cylinders exposed to heat will remain dangerous for several hours. Isolate them until declared safe. Any warm cylinders must be continuously cooled

Spillage

- Keep personnel away and upwind
- Remove, or make safe, all sources of ignition
- Shut off leaks, if safe to do so
- Use low sparking hand tools and explosion-proof electrical equipment
- Warn personnel in pits, hollows and troughs
- Consider evacuation

Emergency telephone number

UK: 0500 020202

Republic of Ireland: 01 4566526

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