












## COSHH Assessment for Propane Gas (for Forklift)

<b>Substance / material</b>	Propane Gas (for Forklift)										
<b>Suppliers address and phone number</b>	Calor Gas Ltd. Athena House, Athena Drive, Tachbrook Park, Warwick, CV34 6RL. 01926 330088										
<b>Contents / ingredients of product</b>	Petroleum gases, liquefied, 1,3 Butadiene, Methanol (anti-icing agent) Ethyl Mercaptan (odorant)					<b>Is there a work exposure limit</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	<b>Duration</b>		
<b>Where the product's used</b>	Outside <input checked="" type="checkbox"/>	Inside well ventilated <input checked="" type="checkbox"/>			Inside poorly ventilated <input type="checkbox"/>			Confined space <input type="checkbox"/>			
<b>How the products used</b>	Mixing <input type="checkbox"/>	Pouring <input type="checkbox"/>	Spraying <input checked="" type="checkbox"/>	Brushing <input type="checkbox"/>	Applying by hand / hand tools <input type="checkbox"/>			Loading out <input type="checkbox"/>			
<b>Product hazard levels</b>	High <input checked="" type="checkbox"/>	Medium <input type="checkbox"/>	Low <input type="checkbox"/>	<b>Product state</b>			Solid <input type="checkbox"/>	Liquid <input type="checkbox"/>	Gas <input checked="" type="checkbox"/>		

Flammable	Oxidising	Gas under pressure	Explosive	Very toxic	Corrosive	Serious health hazard	Health hazard/irritant	Danger to environment
								
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PPE	Gloves 	Glasses 	Goggles 	Face shield 	Footwear 	PPE Clothes 	Dust mask 	FFP2 mask 	FFP3 mask 	Respirator 	Noise 
Outside	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside well ventilated	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Inside poorly ventilated	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Confined space	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Is the substance hazardous to health when:**

Breathed in  Swallowed  In contact with skin  In contact with eyes  Other. Please specify

**Health risks / Personal Protective Equipment:**

**Eye Contact:** Contact with Calor Liquefied Propane gas will present a risk of serious damage to the eyes.

**Skin Contact:** Contact with Calor Liquefied Propane gas will cause cold burns and frostbite to the skin.

**Inhalation:** Low vapour concentrations may cause nausea, dizziness, headaches and drowsiness. May have a narcotic effect if high concentrations are inhaled. High vapour concentrations may produce symptoms of oxygen deficiency which, coupled with central nervous system depression may lead to rapid loss of consciousness.

**Volatile Substance Abuse:** Under normal conditions of use the product is not hazardous; however, abuse involving deliberate inhalation of very high concentrations of vapour, even for short periods, can produce unconsciousness and/or result in a sudden fatality.

**First aid and emergency measures:**



Emergency services



First aider



First aid box



Shower



Eye wash



Wash affected area



Boot wash



**First aid details:**

**Inhalation:** Remove the affected person to fresh air. Keep the patient warm and at rest. If breathing has stopped administer artificial respiration. Give external cardiac massage if necessary. If the person is breathing, but unconscious, place them in the recovery position. Obtain medical assistance immediately.

**Skin Contact:** Burns should be flushed with tepid water to normalise temperature and until circulation returns. Cover the burns with sterile dressings. Do not apply ointments or powders. Obtain medical assistance immediately.

**Eye Contact:** Cold burns should be flushed immediately with tepid water to normalise temperature. Hold eyelids apart while flushing to rinse entire surface of the eye and lids with water. Cover the eye with a sterile dressing and obtain medical assistance immediately.

**Most important symptoms and effects, both acute and delayed**

Frostbite (cold burn). The vapour may have narcotic effect. Overexposure may cause adverse effect such as drowsiness, dizziness, disorientation, vertigo. Severity of the symptoms will vary dependent on the concentration and the length of exposure

#### **Storage / Spillage and environmental:**

##### **Environmental Precautions**

Avoid release to the environment.

**Contain the spillage.** Any large spillage into water courses must be informed to the relevant authorities. 6.3 Methods and material for containment and cleaning up. Only trained and properly protected personnel must be involved in clean-up operations.

Small scale: Contain spillages with sand, earth or any suitable adsorbent material. Allow small spillages to evaporate provided there is adequate ventilation.

Transfer to a lidded container for disposal or recovery.

Ventilate the area and wash spill site after material pick-up is complete.

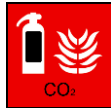
Calor Liquefied Propane Gas must be stored in purpose designed mild steel cylinder(s) or tank(s) or other systems of suitable pressure rating. These should be segregated from oxidant gases and other oxidants in store.

Reference should be made to the relevant Codes of Practice for Safe Storage and Handling of LPG produced by HSE and UKLPG

- No smoking or naked lights
- Switch off mobile phones
- Store and use only equipment/containers designed for use with this product
- Store and dispense only in well ventilated areas away from heat and sources of ignition.
- Containers must be labelled properly
- Do not remove warning labels from containers
- Check that cylinders are within test date. If overdue for inspection, they must be returned to Calor Gas Limited.
- Ensure that Pipework and handling equipment are designed for the purpose, inspected, and maintained and are electrically bonded and grounded (earthed) to prevent accumulation of static charge
- Explosive air/vapour mixtures may form at ambient temperature



Water



Carbon Dioxide



Dry powder



Foam



Fire blanket



Raise alarm

**Fire details:**

Large Fires : **In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. Notify police and fire brigade as soon as possible.**

• None. Product flow must be stopped and container cooled by water spray. Water fog should be used to assist approach to source of the fire. Large fires should only be fought by the Fire Brigade.

• DO NOT USE WATER JET

Small Fires

• Dry powder

• DO NOT USE WATER OR FOAM

**Document author:**

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**Signed:**

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**Date:**

**17.03.22**