

Cylinder Storage

Applicability: All Leland Disposable Gas Filled Cylinders filled with Non Flammable Gases.

This supplemental information to Leland's Shelf Life Document is intended to inform all concerned parties as to the potential dangers of storage in elevated temperatures and how to reduce the risk of cylinder rupture.

Proper labeling to consumers is essential. These are examples of wording we have seen our customers use:

Do Not Heat

Do not heat over 140°F

Do not leave on dashboard of car in sun

Stow Cool

Do not incinerate

Possible risks or dangers of conditioning cylinders to elevated temperatures include rupture of the cylinder body thus resulting in a powerful and uncontrolled release of energy. When we take cylinders to destructive temperatures we contain the cylinder in a special steel chamber made of 0.65" thick steel plate. Additionally, the cylinder releasing the energy may become a dangerous projectile. We have had cylinders embed themselves into a cement block wall.

The risk of cylinder rupture has been essentially eliminated on these Leland cylinders by means of a patented safety cap which produces a micro-crack to allow high pressure gas to escape:

49615HE	2.4g	Helium Filled
88100Z	74g	CO2
52101	74g	CO2 Leland Power Clean II Refills
51101	38g	CO2 Leland Power Clean I Refills
50501	74g	CO2 PicnicTap Refills 1/4 keg kit
50502	74g	CO2 PicnicTap Refills 1/2 keg kit
40101	8g	CO2

Any unplanned release of a liquefied vapor such as CO2 or N2O will also result in freezing liquid being released, one should always take steps to cover eyes or unprotected skin as freezing liquids are often as low as -50°F.