



LUKE 227

CLEANAGENT



LUKE ALEXANDER

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**A PREMIER
 FIRE SUPPRESSION
 CORPORATION**



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LUKE ALEXANDER

LUKE 227 CLEAN AGENT FIRE SUPPRESSION SYSTEMS

PHYSICAL AND CHEMICAL CHARACTERISTICS

General	Colorless, Odorless Gas
Boiling Point	-16.4 °C/3 °F
Vapor Pressure @ 21 °C/70 °F	58.8 PSIA
Water Reactive	6.04
Specific Gravity (H ₂ O=1)	No
Percent Volatile (by volume)	1.46
Evaporation Rate (Butyl acetate = 1)	n/a
Viscosity @ 20 °C/68 °F	n/a
Melting Point	-131 °C/-204 °F
Water Solubility (V/V @ 20 °C/68 °F)	260 mg/L

Luke 227 is a trademark of Luke's HFC-227ea, Heptafluoropropane. **Luke 227** is an effective fire extinguishing agent that can be used on many types of fires ranging from sensitive electrical equipment to industrial applications using flammable liquids. **Luke 227** is ideal for applications where clean-up of the extinguishing medium presents a problem, where an electrically non-conductive medium is needed and where people compatibility is an overriding factor. When environmental impact becomes a consideration, **Luke 227** is particularly useful. It has Zero ozone-depleting potential, low global warming potential and short atmospheric lifetime. These characteristics make it suitable not only for new installations using **Luke's** total flooding system, but also for Halon 1301 replacement. **Luke 227** is an odorless, colorless liquefied compressed gas. It is stored as a liquid and dispensed into the hazard as a colorless, electrically non-conductive vapor that is clear and does not obscure physical vision. It leaves no residue in occupied spaces at system design concentration. **Luke 227** extinguishes a fire by a combination of chemical and physical mechanism. **Luke 227** does not displace and therefore is safe for use in occupied spaces without fear of oxygen deprivation.

1540 LB (700 KG) Clean Agent Storage Tank

1540 lb (700 kg) HFC-227ea Storage Tanks are offered by **Luke Alexander** to make it easy for storage and transferring of large quantities of HFC-227ea agent from one to another. The 700 kg Storage Tank is specially design for maximum transfer of HFC-227ea with transfer valves located at the bottom of Tank. **Luke Alexander** also offer supply of HFC-227ea in ISO Bulk Tank.

A 20 foot shipping container can carry 21 nos. of the 700 kg Storage Tank which maximizes ocean freight cost.



SPECIFICATIONS

Height (mm)	1912 (75 in)
External Diameter (mm)	762 (30 in)
Water Capacity (L)	600 (22 cu.ft)
Weight (kg)	311 (685 lb)
Design Temperature (°C)	100 (212°F)
Operating Temperature Range (°C)	-19~73 (-2.2~163°F)
Design Pressure (Bar)	16.5 (240 psi)

LUKE 227 CLEAN AGENT

Luke 227 Clean Agent Fire Suppression System utilizes both pre-engineered and engineered systems.

Luke Alexander manufactures both the system hardwares and the Clean Agents.

Luke Alexander carries a full range of cylinders sizes from 3 lbs up to 1200 lbs.

All the cylinders are UL component recognized, DOT & TPED.

