

The Future of Fire Protection Today

The integration of LifeSafe Fluid Technology with high-performance delivery hardware such as Trinity and Lingjack cylinders represents a major advancement in specialised fire suppression. MPF is an eco-responsible cooling and suppression agent engineered to tackle volatile fire behaviours, including Lithium-ion battery thermal runaway, through a precise blend of demineralised water, phosphates and salts.

When paired with Lingjack's precision-engineered stainless-steel cylinders, the chemical performance of MPF is matched by exceptional mechanical reliability. These cylinders maintain stable pressure and structural integrity over long periods, ensuring the fluid remains homogenous and ready for immediate activation.

Combined with Trinity's advanced valve and nozzle systems, MPF can be applied with high accuracy and controlled discharge. The fluid forms a stable, insulating film over fuel surfaces while simultaneously interrupting the fire tetrahedron through rapid cooling and chemical suppression. Delivered through heavy-duty hardware, MPF achieves the kinetic energy required to penetrate high-heat zones and encapsulate the heat source.

This synergy of advanced fluid chemistry and robust engineering creates a comprehensive safety solution that is non-toxic, biodegradable, and engineered for the demanding environments of critical infrastructure, industrial assets, and electric-vehicle applications.



MULTI-PURPOSE & LITHIUM BATTERY PROTECTION

In the event of a fire hold extinguisher upright, pull out safety pin, aim at base of fire, squeeze handle and sweep side to side. Discharge entire contents onto the fire from a 1m-3m distance. Replace or recharge after use. Tested on electrical to 35 kV.



lifesafetechnologies.co.uk

The ultimate protection against thermal runaway



Why the Trinity MPF?

Lithium-Ion Batteries: Suppresses the exothermic chain reaction, preventing a thermal runaway

Solid Combustibles (34A): Wood, paper, and textiles.

Flammable Liquids (34B): Petrol and oil.

Cooking Fats (75F): Kitchen and deep-fryer fires.

Electrical Fires: Safe on live equipment up to 1,000V.



FLUORINE-FREE & BIODEGRADABLE



IDEX
FIRE & SAFETY

LIFESAFE
PROFESSIONAL