

DESCRIPTION

FIREBLOCK LITHIUM is a specialised gel that has been developed to extinguish Lithium-ion battery fires regardless of cell type or chemical composition.

Its unique composition has a tremendously strong flame knockdown and cooling effect.

PHYSICAL DATA

Product name	FIREBLOCK LITHIUM
Appearance	Green Water-Base Gel Viscous
Odour	Odourless
Specific gravity at 20°C	1.000 – 1.025
pH at 20°C	6.5-7.5
Temperature of use	5°C – 50°C
Freezing Point	0°C
Boiling Point	1500°C
Solubility in water	Miscible

- ✓ **Runoff** with FIREBLOCK LITHIUM is minimal, with less than 10% runoff of the amount sprayed on a flat surface
- ✓ FIREBLOCK LITHIUM acts as a “fireblock” between adjacent cells in a battery pack, preventing **thermal propagation**
- ✓ FIREBLOCK LITHIUM’s unique composition has a immensely **strong flame knockdown** and **cooling effect**. It will reduce the temperature of a lithium-ion fire from 400° plus to below 60°
- ✓ FIREBLOCK LITHIUM **stops thermal runaway**, by cooling it down, extracting heat from the battery, and stopping the chemical reaction
- ✓ FIREBLOCK LITHIUM unique formula insulates the cells and **prevents reignition**
- ✓ FIREBLOCK LITHIUM IS **non-toxic** and **biodegradable**



PERFORMANCE & APPLICATIONS

Environmental testing:

- ✓ ISO 14855-1
- ✓ OECD 208

FIREBLOCK LITHIUM is a ready-to-use water-based Firefighting Gel that can be used in portable fire extinguishers on lithium-ion battery fires.

Portable fire extinguishers: EN3 and SANS1910 approved

It can be used on fire engines fitted with a positive displacement pump.

WARRANTY

5 years, subject to proper handling and storage in original closed packing

Product to be used as supplied. Do not add any water or chemicals that will affect the performance and the shelf life of the product. In case of any mixing, the manufacturer cannot undertake any liability.

Safety data sheets are available at www.fireblock.co.za