LITHIUM PORTABLE FIRE EXTINGUISHERS

LITHIUM BATTERY FIRES

Studies have shown that Fires caused by Lithium Batteries (from Computers, Electrical Vehicles, Electronic Cigarettes, etc.) have been dramatically increased. Those type of Fires cannot be Extinguished with the known Extinguishing Agents MOBIAK uses a new and revolutionary Extinguishing Agent which has been developed during the past few years in response to the demand for products which can deal with high temperature flammable metal fires, lithium ion and lithium polymer battery fires.
This Extinguishing Agent offers a significant performance improvement over conventional extinguishing agents when applied to these very particular fire types - it has proven to be the most effective extinguishing agent currently available worldwide for Lithium battery fires.
The Extinguishing Agent is a natural mineral-based fire extinguishing agent in Gold/Brown Color, environmentally friendly which is made from naturally occurring Vermiculite – it is an aqueous dispersion of exfoliated Vermiculite which is most effective when deployed as a mist.
Vermiculite is the name given to a group of hydrated laminar aluminum-iron-magnesium silicates. Raw vermiculite consists of thin, flat flakes containing microscopic layers of water. The chemical exfoliation of vermiculite produces microscopic, individual platelets that are freely suspended in water, which yields a stable aqueous dispersion of vermiculite.

100% **FLUOR** FREE

- **Proven results on Lithium Ion Batteries / Cells**
- **Capable for suppression of type A fires**
- **use in live electrical equipment up to 35kV**
- **Environmental Friendly Choice**

HOW THE EXTINGUISHING AGENT WORKS

When Lithium - ion batteries are exposed to heat, physical impact/damage or overcharging, they go into thermal runaway.
The cells are sufficiently swollen, releasing hot flammable gases (hydrocarbons) which can ignite. Hydrocarbons burn vigorously at high temperature and rapidly heat surrounding cells and materials resulting in a significant fire. Extinguishing Agent is applied as a fine mist which instantly cools the batteries and extinguishes the flames. Extinguishing agent encapsulates the fuel source and insulates the cells preventing further thermal runaway, bringing the fire under control.

IS THE EXTINGUISHING AGENT ENVIRONMENTALLY SAFE?

Vermiculite is a natural mineral exempt from REACH regulations. Vermiculite is chemically and physically inert. Exposed to high temperature, it releases steam while It Is harmless to Humans and Nature. It is a Fluoride-Free environmentally friendly choice.

MOBIAK LITHIUM EXTINGUISHERS

The Agent is discharged as a fine mist through Ultra-High Quality MOBIAK Extinguishers and provides the perfect solution for Lithium Battery Fires MOBIAK Lithium Extinguishers are manufactured in Greece under a Strict Quality Control Process that ensures the Ultra - High Quality of the Extinguisher reaches the end user.
Available Capacities: 2Lt Portable Extinguisher, 6Lt. Portable Extinguisher, 9Lt Portable Extinguisher.

CODE **0109468**

MBK22 - BLANKET - LITH - SMALL

Fire Blanket for Lithium Ion Battery Fires - **2x1.8m.** Coverage of burning Lithium Ion Batteries or burning Electrical Devices / Vehicles with Lithium Ion Batteries

CODE **0109469**

MBK22 - BLANKET - LITH - BIG

Fire Blanket for Lithium Ion Battery Fires - **3.3x2.4m.** Coverage of burning Lithium Ion Batteries or burning Electrical Devices / Vehicles with Lithium Ion Batteries

CODE **0135761**

MBK22 - LITH - KIT - SMALL

Small Kit for Suppression of Lithium Ion Battery Fires. Includes **500ml Aerosol Extinguisher,** Safety Gloves, Safety Glasses, and Fire Resistant Bag with Flame Arrester.

CODE **0135762**

MBK22 - LITH - KIT - LARGE

Big Kit for Suppression of Lithium Ion Battery Fires. Includes **2Lt Portable Extinguisher,** Safety Gloves, Safety Glasses, and Fire Resistant Bag with Flame Arrester.

CODE **0135763**

MBK22 - LITH - BAG

Fire Resistant Container Bag with Flame Arrester - Size: 300mmx250mmx250mm

LITHIUM BATTERY FIRES

100% **FLUOR** FREE

CODE **0135616**

NEW

MBK20 - 500ML - LITH

Aerozol Type extinguisher for Li-Ion Batteries Fire

Aerosol Type Fire Extinguisher of 500ml Capacity that Provides Lithium Battery Fire Protection for Safe Use on Small Personal Devices.

LITHIUM PORTABLE FIRE EXTINGUISHERS

CODE **0501127**

NEW

MBK19 - LITHIUM - 2

2Lt	MINERAL - BASED AGENT	5A

Fire Extinguisher **2Lt** with One Seam Vessel with **INTERNAL PLASTIC LAYER, External thread and Pressure Gauge Safety Release Valve.**

> METALLIC BRACKET INCLUDED

CODE **0501128**

NEW

MBK19 - LITHIUM - 6

6Lt	MINERAL - BASED AGENT	13A

Fire Extinguisher **6Lt** with One Seam Vessel with **INTERNAL PLASTIC LAYER, External thread and Pressure Gauge Safety Release Valve.**

> METALLIC BRACKET INCLUDED

CODE **0501129**

NEW

MBK19 - LITHIUM - 9

9Lt	MINERAL - BASED AGENT	13A

Fire Extinguisher **9Lt** with One Seam Vessel with **INTERNAL PLASTIC LAYER, External thread and Pressure Gauge Safety Release Valve.**

> METALLIC BRACKET INCLUDED

Note: Trolley Fire Extinguishers to be announced.

No.	Fire Extinguisher Type	Battery Capacity	Applications
1	500ml Aerosol type extinguisher for Li-Ion batteries fire	Less than 60Wh	Mobile Phones, Laptops, Tablets, Home Appliances (small)
2	2Lt Portable fire extinguisher for Li-Ion batteries fire	60-250Wh	Domestic and laboratory appliances
3	6Lt Portable fire extinguisher for Li-Ion batteries fire	250-500Wh	Battery recycling area
4	9Lt Portable fire extinguisher for Li-Ion batteries fire	500-750Wh	Electrical Scooters & Vehicles
5	25Lt Wheeled fire extinguisher for Li-Ion batteries fire	Over 750Wh	Charging Stations
6	50Lt Wheeled fire extinguisher for Li-Ion batteries fire	Over 750Wh	Battery production Lines/ Factories