

# LIFE GUARD<sup>®</sup>

FIRE PROTECTION EQUIPMENTS & SYSTEMS

IS-15683



CM/L-8633079



1<sup>ST</sup>  
TIME IN  
INDIA

## LiON-Ex<sup>™</sup>

# FOR LITHIUM BATTERY FIRES

**HMS<sup>™</sup> (Hydrated Mica Suspension)**

HMS<sup>™</sup> Fire Extinguishing Agent: Your Comprehensive Solution for Lithium-ion Battery Fire Safety

Are you ready to confront the pressing challenge of lithium-ion battery fires head-on? Look no further than HMS<sup>™</sup> Fire Extinguishing Agent—the pioneering solution engineered to tackle the distinct risks associated with lithium battery fires by Extinction Mechanism.

**Revolutionizing Fire Safety**

HMS<sup>™</sup> isn't just another fire extinguishing option—it's a paradigm shift in fire safety technology especially for uncontrollable lithium-ion battery fires till date. Developed with state-of-the-art innovation, thorough realistic tests on Li-ion battery fires and a profound understanding of lithium-ion battery fire behaviour, HMS<sup>™</sup> sets a new standard for performance, efficiency, and reliability.



### Unmatched Protection

With HMS™, anyone can trust that the critical assets, spanning laptops, mobile phones, automotive energy storage systems, and more, are shielded from the catastrophic consequences of lithium-ion battery fires. The advanced formulation doesn't just extinguish flames—it minimizes fire propagation and mitigates damage, offering unparalleled protection across diverse applications.

### Environmental Stewardship

With HMS™, sustainability is paramount, that's why HMS™ is crafted from naturally occurring mica—a material devoid of harm to humans, animals, and the environment. With HMS™, you not only protect your assets but also uphold environmental responsibility.

### Proven Efficacy

Backed by rigorous testing and real-world deployment, HMS™ has consistently demonstrated its efficacy in suppressing lithium-ion battery fires. The cutting-edge technology creates a non-flammable oxygen barrier, swiftly cooling the fuel source and halting thermal runaway in its tracks—ensuring rapid and effective fire control.

### Tailored Solutions

Every application is unique, that's why HMS™ may be offered in a customizable solution tailored to any specific requirement. Whether either of the fixed suppression, wheeled or portable extinguishing methods, LiON-Ex™ delivers flexible solutions to meet your needs with precision.

### Don't Delay—Secure the Future with HMS™

In a landscape where lithium battery fires pose an escalating risk, proactive measures are imperative. Don't wait until disaster strikes—choose HMS™ to protect your assets, protect lives, and fortify business continuity. Join the ranks of industry leaders who rely on HMS™ for unparalleled fire safety in Lithium-ion batteries.



Non-Toxic



02 AVIATION



03 DOMESTIC



04 MARINE



05 INDUSTRIAL



06 LOGISTICS



Eco Friendly



01 ENERGY STORAGE



07 SURFACE TRANSPORT



## APPLICATION AREAS

One of its kind Extinguishing methods having advantage over traditional extinguishing mediums like Powder, Mechanical Foam or Gaseous based extinguishing agents.

## TECHNICAL SPECIFICATION

MODEL	LG-171	LG-172	LG-174	LG-176	LG-179
Capacity (Ltr.)	1	2	4	6	9
Anti-Corrosive Inhibitor	Pure Polyester Powder Coating	Pure Polyester Powder Coating	Pure Polyester Powder Coating	Pure Polyester Powder Coating	Pure Polyester Powder Coating
Type of Extinguisher	Stored Pressure	Stored Pressure	Stored Pressure	Stored Pressure	Stored Pressure
Type of Extinguishing Media	Hydrated Mica Suspension	Hydrated Mica Suspension	Hydrated Mica Suspension	Hydrated Mica Suspension	Hydrated Mica Suspension
Expellant	Pressurized with Nitrogen gas	Pressurized with Nitrogen gas	Pressurized with Nitrogen gas	Pressurized with Nitrogen gas	Pressurized with Nitrogen gas
Confirming IS Code Specification	N.A.	15683	15683	15683	15683
Min. Effective Discharge (%)	95	95	95	95	95
Min. Throw Length (mtrs.)	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.	More than 2 mtr.
Hydraulic Test Pressure (kgf/cm <sup>2</sup> )	35	35	35	35	35
Operating Position	Upright	Upright	Upright	Upright	Upright
Working Pressure (kgf/cm <sup>2</sup> )	15	15	15	15	15
Operating Temperature Range (°C)	(+)5°C to (+)60°C	(+)5°C to (+)60°C	(+)5°C to (+)60°C	(+)5°C to (+)60°C	(+)5°C to (+)60°C
Operating Valve	Squeeze Grip Type with Discharge hose & Special Nozzle	Squeeze Grip Type with Discharge hose & Special Nozzle	Squeeze Grip Type with Discharge hose & Special Nozzle	Squeeze Grip Type with Discharge hose & Special Nozzle	Squeeze Grip Type with Discharge hose & Special Nozzle

\*Note: HMS can be used with Wheeled Fire Extinguisher for larger applications and Fixed Suppression System for Energy Storage or High Risk Areas



PHONES



LAPTOPS



CAMERAS



LIGHTS



E-CYCLE



E-BIKE



E-CAR



E-BUS