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## NEW PORTABLE EXTINGUISHER STOPS LITHIUM BATTERY FIRES

Fires resulting from lithium battery cell failure are notoriously volatile and fast evolving. Conventional fire suppressant and extinguishing agents are not designed to combat them. But now, Sea-Fire Europe Ltd offers a cost-effective lithium battery fire suppression solution with a new line of AVD portable extinguishers for the EMEA market.

Lithium batteries are common in handheld devices such as mobile phones and VHF radios, as well as recreational toys like drones and foils. They are also increasingly used in energy storage units in the form of deep cycle batteries and electric craft powerplants. This expanding use results in greater onboard fire risk.

When a lithium battery cell fails, whether due to damage, defect, short circuit or overcharging, the heat generated transfers to neighboring cells. This causes a cascading—and potentially lethal—combustion sequence called thermal runaway.

Sea-Fire AVD extinguishers use Aqueous Vermiculite Dispersion, an innovative suppression agent, to encapsulate the fire source. This provides a non-flammable oxygen barrier that smothers flames while delivering a cooling effect to halt thermal runaway.

The suppression agent is an advanced and highly refined formulation of vermiculite particles and water. It is non-toxic and environmentally safe, with no global warming potential.

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Sea-Fire AVD refillable handheld extinguishers are available in 500ml and 1-liter sizes and MED-approved 2, 6, and 9-liter capacities. The convenient, single-use 500ml size is ideal for smaller applications. For large vessels, wheeled units are available on request and fixed systems are planned for the future. All products feature multi-lingual labels, manuals and documentation in English, French, Spanish and Portuguese.

In Europe (EMEA), contact Sea-Fire Europe LTD, Unit D2 Discovery Voyager Park, Portfield Road, Portsmouth, Hampshire, PO3 5FN, UK. +44(0) 2392 679 666; Fax: +44(0) 2392 667 014. [www.sea-fire.co.uk](http://www.sea-fire.co.uk).

**Editor's note: See the full line of fire detection and suppression solutions including the innovative Sea Fire AVD extinguisher at METSTRADE, 15-17 November, Amsterdam, Sea-Fire Europe stand 02.109.**