

EXPLORING

MARITIME HAZARDS

The ever-increasing use of lithium-ion batteries across the globe is leading to an urgent need for increased fire protection. Once a lithium-ion battery fire takes hold on board, it can easily get out-of-control, spreading beyond the ability of the crew or fire protection system to manage if they're not equipped with an adequate solution.



TYPICALLY, A SHIP'S FIRE PROTECTION AND DETECTION SYSTEMS ARE NOT DESIGNED TO DEAL WITH LITHIUM-ION BATTERY FIRES

JENSEN HUGHES

This can result in crews abandoning a vessel on safety grounds, increasing the risk of losing the vessel with significant environmental damage and financial loss.



THE SOLUTION

F-500 ENCAPSULATOR AGENT (F-500 EA)

HAZARD CONTROL TECHNOLOGIES

150 WALTER WAY, FAYETTEVILLE, GEORGIA 30214 / +1 770 719 5112 / INFO@HCT-WORLD.COM / HCT-WORLD.COM

MULTI-LEVEL

PROTECTION

F-500 Encapsulator Agent (F-500 EA) is recognized under NFPA 18A Anx 4.3 and NEN NTA 8133 for lithium-ion battery hazard mitigation. Independent testing performed by KIWA confirms the effectiveness of F-500 EA on up to 3,400 Wh lithium-ion batteries, far exceeding the NEN NTA 8133 minimum of 600 Wh.



**PROTECT YOUR
PERSONNEL, PORTS,
SHIPS AND CARGO WITH
A FLUORINE FREE AND
MULTI-CLASS AGENT**



LITHIUM-ION BATTERY FIRE

EHNINGEN, GERMANY

The fire was quickly extinguished with F-500 EA. According to Ehningen Fire Brigade's head of operations, the use of F-500 EA resulted in rapid cooling and prevented the spread of fire, even though the agent only reached the outside of the intact battery housing.



LITHIUM-ION BATTERIES

3%

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