



**BATTERY  
SAFETY  
SOLUTIONS**

Fire suppression test with Greenex in a container with lithium battery pack's

To whom it may concern

Dear Paul

We hereby confirm that a test to ascertain the effectiveness of GreenEx GreenSol condensed aerosol to suppress a Lithium Battery packs (li-Ion) fire was carried out at our premises on the 24<sup>th</sup> February.

We prepared in a ASP (space of 0.6m<sup>3</sup>) container like described in the ADR. Inside this container we placed several charged lithium E-bike batterie's. The distance between the pack's was according the ADR.

We also placed a GreenSol A100 into the container which was connected to the unit with an electric switch.

We headed-up one battery pack with a glow plug till it caused a thermal runaway.

After the Lithium battery caught fire the GreenSol A100 unit was activated by the electric switch.

After 15 minutes the container was opened and the Lithium battery was taken out of the container no flames were detected and the temperature was showing 93 degrees, and was decreasing. The batterypack had catch fire but was suppressed, half of the battery was in tact and not effected. That the battery has not ignited completely indicates that the aerosol has done its job There was no transfer to adjacent batteries inside the ASP container.

We then used a 9 liter extinguisher containing F-500 to extinguish the battery. Then we checked for temperature and the temperature level continued to drop.

We can confirm that the test was a success and that the GreenSol A100 suppressed the Lithium Battery fire.

We are happy to recommend GreenSol fire suppression as a suitable fire suppression for suppression of Lithium Battery Fires.

Abner Abee  
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