The pioneering AvSax contains fires in electronic devices on board aircraft and is used by major airline companies worldwide.

Technical gadgets ranging from mobile phones to laptops are powered by rechargeable lithium-ion batteries and there is always the possibility they can overheat.

If this happens the battery goes into thermal runaway sparking temperatures as high as 900°C (1652°F) which causes them to catch fire. If a device has become exceptionally hot or is smoking then an AvSax is needed.

Pour two litres of water into the AvSax and pop the device in. The bag’s polymer gel inside expands to totally surround the device, instantly cooling it down to minimise the risk. If it should still vent or even explode the polymer is designed to absorb the force.

They have already been used in action on planes 14 times this year.

AvSax is distributed in the USA in association with Viking Packing.

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