Are rechargeable lithium batteries safe

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Additionally, our standard for battery fire containment products helps ensure airline personnel can safely contain lithium-ion battery fires that occur on airplanes. And our standard for repurposing and remanufacturing batteries helps define processes for preventing usable EV batteries from adding to the accumulation of e-waste.

Safety standards require input from diverse stakeholders. Learn how you can get involved in our standards development process and apply to join a technical committee here.

UL Standards & Engagement"s March 2024 survey found that 49% of U.S. adults admit to knowing nothing or are unsure about their familiarity of lithium-ion batteries.

There is considerable confusion around the disposal of old batteries, as 33% of U.S. adults admit to throwing away their old lithium-ion batteries in the trash, while 29% say they typically mix lithium-ion batteries in with other recyclables.

Today, UL Standards & Engagement released a report highlighting survey results that show a major awareness gap among U.S. adults regarding lithium-ion batteries and the devices they power, which can contribute to greater thermal runaway risks when traveling by plane.

At Circularity 24, Caitlin D"Onofrio of UL Standards & Engagement joined Laura LoSciuto of RMI, Roger Lin of Ascend Elements, and Dan Bowerson of Energy & Environment Alliance for Automotive Innovation to discuss circular economy for EV batteries in the panel discussion, "Recharge, Reuse...

Americans typically replace their mobile phone every 1.8 years, totaling 43 phones in a lifetime. With manufacturers releasing new cellphone models every two weeks on average, it"s easy to see why phone replacements occur at this pace, as many consumers seek the latest features.

Airline passengers are increasingly traveling with devices powered by lithium-ion batteries. While efficient and widely used, these batteries can present safety hazards if damaged, improperly charged, poorly manufactured, or counterfeit. Read about these risks and the latest figures from our...

On April 4, 2024, UL Standards & Engagement presented at the 2024 Singapore Battery Safety and Innovation Workshop, an event that gathered experts from industry, academia, and the public sector, to discuss industry developments and safety trends regarding lithium-ion batteries.

On January 9, 2024, at CES 2024, ULSE Executive Director Dr. David Steel and ULSE Director of Insights & Policy Analysis Sayon Deb led a panel discussion on how standards can address the risks of lithium-ion

batteries without stifling innovation.

UL Standards & Engagement translates scientific discoveries into standards and policies that have the power to make a systemic impact on public safety throughout the world.

Distinguished by our independent research and informed foresight, we"ve been driving cutting-edge science into practical standards since 1903. Our extensive library of standards helps to make everyday things safer, more secure, and more sustainable, from life jackets to batteries to autonomous cars.

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