

Lead-acid batteries will be subject to environmental tax

Are lead-acid batteries recyclable?

The targets for recycling efficiency of lead-acid batteries are increased, and new targets for lithium batteries are introduced, in light of the importance of lithium for the battery value chain. In addition, specific recovery targets for valuable materials - cobalt, lithium, lead and nickel - are set to be achieved by 2025 and 2030.

Are batteries ethically sourced?

In order to tackle human right abuses and ensure batteries are more ethically sourced, the new rules introduce a due diligence obligation on battery manufacturers. They will have to comply with requirements addressing social and environmental risks around the sourcing, processing and trading of raw materials and secondary raw materials.

What are the new battery recycling rules?

Under the new rules, minimum levels of recovered cobalt (16%), lead (85%), lithium (6%) and nickel (6%) from manufacturing and consumer waste must be reused in new batteries. The new rules foresee that batteries will need to be easier to remove and replace, while consumers are better informed.

What are the new regulations on batteries?

Amongst others: Starting from 2025, the Batteries Regulation will gradually introduce declaration requirements, performance classes and maximum limits on the carbon footprint of electric vehicles, light means of transport (such as e-bikes and scooters) and rechargeable industrial batteries.

Are batteries a key element in a climate-neutral economy?

Batteries are a crucial element in the EU's transition to a climate-neutral economy. On 10 December 2020, the European Commission presented a proposal designed to modernise the EU's regulatory framework for batteries in order to secure the sustainability and competitiveness of battery value chains.

How much lead is recycled in the EU?

Between 90 % and 100 % of lead is recovered, with most Member States reporting rates of 97 % and higher. The average collection rate for portable batteries in the EU is much lower. In 2018, nearly 48 % of portable batteries sold in the EU were collected for recycling. This means that large amounts of valuable resources are lost.

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Although lead-acid batteries generally exhibit the hazardous waste characteristic of toxicity for lead (D008) and would be subject to significant restrictions when discarded, the EPA encourages their recycling by providing two alternative management standards. Lead-acid batteries may be managed as "universal waste" under 40 CFR Part 273 or under the specific ...

material efficiency of the battery value chains will lead to reduced extractive activities and overall reduction of the environmental impact. While the EU scores high in relation to the recycling of ...

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Today, the Council recognises that batteries are a key technology to drive the green transition, support sustainable mobility and contribute to climate neutrality by 2050. The Batteries Regulation starts to apply from 18 February 2024, from then onwards new obligations and requirements will gradually be introduced. Amongst others:

recycling efficiency targets - 80% for nickel-cadmium batteries, 75% for lead-acid batteries, 65% for lithium-based batteries and 50% for other waste batteries, by the end of 2025; for lead-acid ...

What is the battery sales fee? Texas imposes a fee on the sale of new and used lead-acid batteries. The fee is \$3 for each battery of 12 volts or more, or \$2 if less than 12 volts. What is a lead-acid battery? A lead-acid battery is any battery that contains lead and sulfuric acid (see Health and Safety Code Section 361.138(a)(2)).

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