



Recycle of disused batteries and rechargeable batteries

The Accutron AG in Bassersdorf near Zurich has been for many years a professional supplier of industrial batteries and batteries of all kinds. It also endeavours to notify its customers of the prescribed recycling of the disused batteries. The reason: Batteries and accumulators contain numerous valuable raw materials which can be recycled. They also contain some harmful heavy metals. In Switzerland, battery recycling is carried out by the Ordinance on Environmentally hazardous substances, substance regulated and Accutron is a partner of INOBAT. (www.inobat.ch)



The different battery types such as zinc coal, zinc air and alkaline batteries; The nickel-cadmium batteries, the nickel-metal hydride batteries as well as the very often used lithium batteries in mobile devices are technically in different ways recycled.

Here, now more specific to the lithium batteries/accumulators. These Li-ion products contain metals such as copper and aluminium and – depending on the active material – the transition metals cobalt and nickel.

The deactivation and discharge of the battery, especially for larger batteries from electromobility, is done by various procedures: dismantling the battery-system, mechanical processes such as shredding, sorting and sifting. Hydrometallurgical processes as well as pyrometallurgical processes, both for material separation. Specific dangers of Li-ion products are electrical and chemical hazards, fire hazards and interactions between them. Therefore, there are extremely strict transport regulations.

A specialized Swiss recycling company

The Batrec Industrie AG in Wimmis is for instance a company of the Veolia Group and specializes in sophisticated recycling services. It processes for customers worldwide batteries, mercury-containing products, activated carbon filters and Spent Catalysts and offers high purity mercury as a raw material. Batrec makes waste a resource again and thus ensures closed material cycles. The company is committed with sustainability; As a Swiss company it applies highest standards in terms of environmental protection and safety.

For more information Can be found at: www.swissrecycling.ch and www.batrec.ch .

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