

Recycling of batteries and materials containing mercury

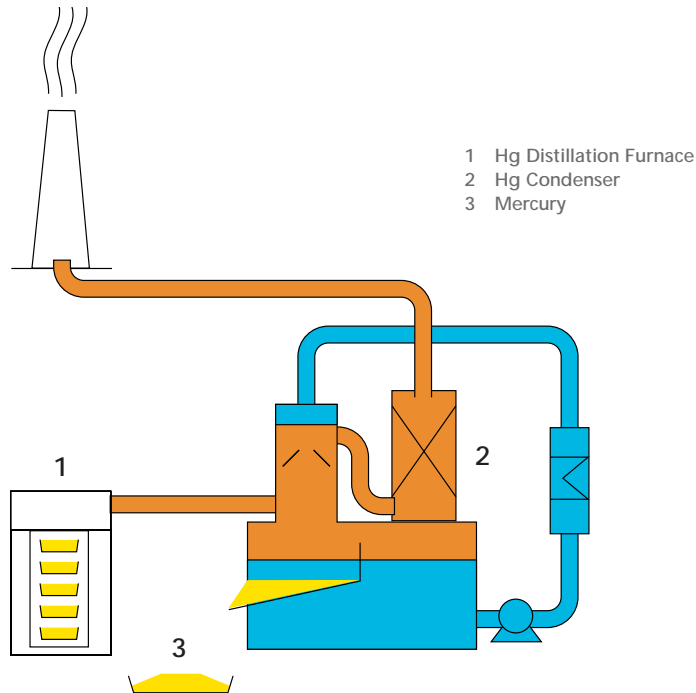
From waste to raw material

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Mercury distillation



Mercury contaminated waste



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Today the poisonous, liquid metal mercury is still used in several applications. We find mercury in hospitals (thermometers), in laboratories (analyzers), in waste gas cleaning systems (crematoria), as road and sports field lighting (metal-vapor lamps), in dental laboratories (amalgam) or in button cells. To protect our environment it is important that such hazardous waste is environmentalfairly recycled.

Mercury distillation

By heating to over 360° Celsius, the mercury contained in the waste vaporises, and condenses again as pure mercury in a condensation column.

The condensation unit is followed by an activated carbon filter, which removes the remaining traces of mercury from the exhaust-gas stream. Distillation is conducted as a batch process, and guarantees low-emission operation – for the safety of the employees and the environment.



Pure Mercury 99,995–99,9995%