

Title (en)

Process for the reductive dehalogenation of solid and liquid materials containing organohalogens.

Title (de)

Verfahren zur reduktiven Dehalogenierung von organohalogenhaltigen festen und flüssigen Stoffen.

Title (fr)

Procédé pour la déshalogénation réductive des matériaux solides et liquides contenant des composés organiques halogénés.

Publication

EP 0635283 A1 19950125 (DE)

Application

EP 94250184 A 19940720

Priority

DE 4324931 A 19930724

Abstract (en)

The invention relates to a process for the reductive dehalogenation of halogenated hydrocarbons contained in mixtures of solid or liquid substances by treating these substances with sodium in liquid ammonia. According to the invention, halogenated hydrocarbons can be destroyed in this manner rapidly and completely without preceding extraction even if they are present in the sorbed state on solid matrices, such as activated charcoal, ash, river sediments, soils and the like.

Abstract (de)

Die Erfindung betrifft ein Verfahren zur reduktiven Dehalogenierung von Halogenkohlenwasserstoffen, die in Gemischen von festen oder flüssigen Stoffen enthalten sind, durch Behandeln dieser Stoffe mit Natrium in flüssigem Ammoniak. Erfindungsgemäß können auf diese Weise Halogenkohlenwasserstoffe ohne vorhergehende Extraktion schnell und vollständig zerstört werden, auch wenn sie im sorbierten Zustand an festen Matrices, wie Aktivkohle, Aschen, Flußsedimenten, Böden u. ä. vorliegen.

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Citation (search report)

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