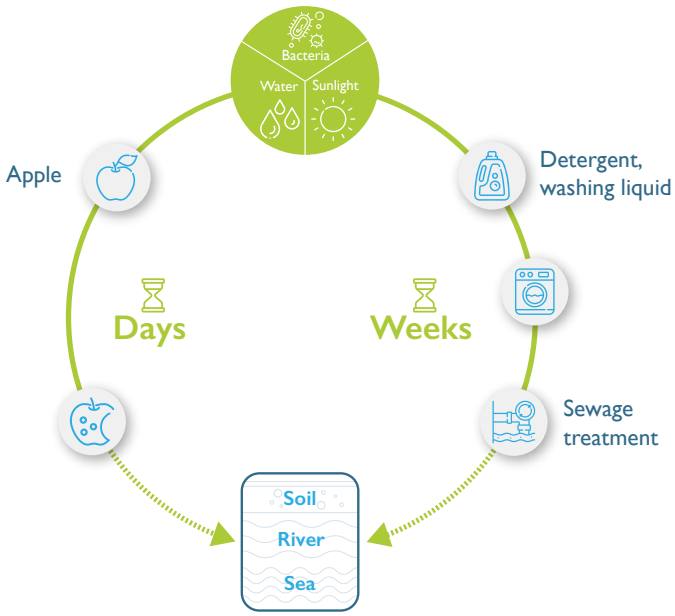
Safety by durability

pinfa
Phosphorus, Inorganic & Nitrogen Flame Retardants Association

Flame Retardants need to be fit for purpose and for a long product lifetime.
Their chemical stability is a prerequisite to ensure durability and not an obstacle for recycling or a circular economy.

Degradation in the environment

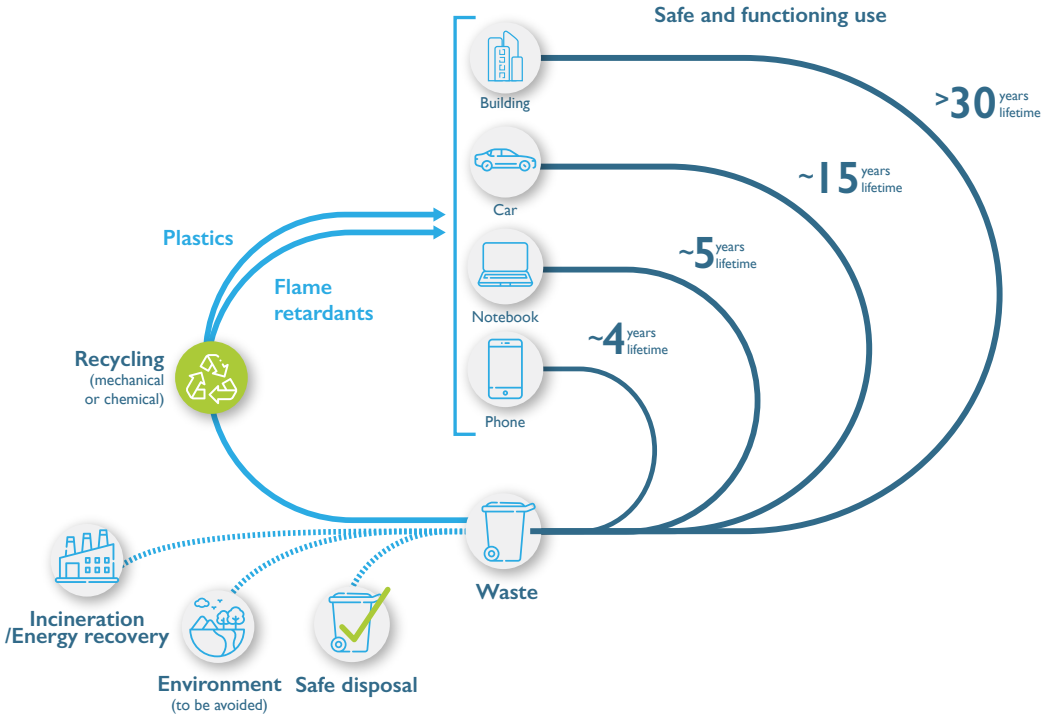


Persistence relates to the lack of breakdown of chemicals in the environment by chemical reactions.

Durability is the product lifetime before degradation or disposal. Durability and persistence in the environment are closely related.

If Flame Retardants were to degrade or decompose quickly, they could not provide fire safety for several years or decades as required. They are chemically robust and stable to ensure a long product lifetime.

Durability for a long product lifetime



OUR SOLUTION FOR FR CONTAINING MATERIALS:

Minimize the entry of flame retardants from production or processing into the environment.
At the end of life of flame retarded products, proper collection and mechanical or chemical recycling (or controlled incineration for energy recovery).

A sector group of Cefic
European Chemical Industry Council - Cefic aisbl
EU Transparency Register n° 64879142323-90

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