pinfa
Phosphorus, Inorganic & Nitrogen Flame Retardants Association

Tried & Tested: The Safety of Flame Retardants

Flame retardants are key for fire safety in our everyday lives. They are chemicals used to prevent and slow down fires. Just like other chemicals, they are tested before being sold to make sure they are safe.

How are flame retardants tested for safety?

Assessments

Chemical Safety Assessments (CSA) are conducted to ensure the safety of flame retardants. In these assessments, hazard and exposure information are combined to calculate any potential risk to consumers or workers.

Regulatory Oversight

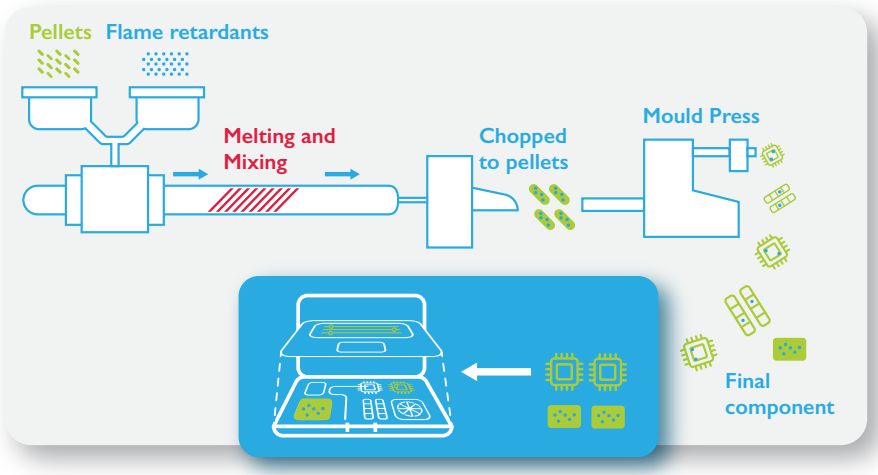
Before a new chemical is allowed to be sold, industry generates and submits information to authorities. This includes details about:

- Physical properties
- Environmental properties
- Human health
- Use information

CSA

Assessing Exposure

In most applications, flame retardants are embedded in plastic materials, and only very small amounts are released - assessing the processes below allows us to estimate the exposure of consumers to flame retardant chemicals.



The journey of flame retardants into your laptop.

In the case of currently used flame retardants, both potential exposure and impact on human health and potential exposure are extremely low.

Flame retardants are a key part of our daily lives, thoroughly regulated and tested to ensure our safety.

A sector group of Cefic
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Pinfa is the Phosphorus, Inorganic and Nitrogen Flame Retardants Association and is a Sector Group within Cefic, the European Chemical Industry Council. As a group of global flame retardant manufacturers and users, we are committed to fire safety and improving the health and environmental profiles of our products.

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