

Decades of inaction on mixture toxicity

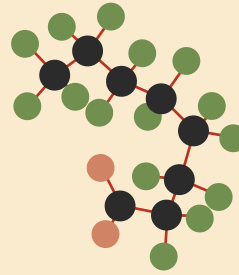
1980s

Additivity effects demonstrated in fish and other aquatic organisms



2007

International WHO/IPCS workshop on combined exposures of multiple chemicals



2009

- Nordic Council Workshop on combination effects.
- EU Council conclusions "Combination effects of chemicals"

2010

EU Commission Report "State of the art of mixture toxicity"



2012

Commission Communication on "The combination effects of chemicals"

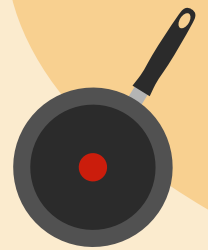


2013

EU 7th Environment Action Plan promises to address combination effects of chemicals

2015

Swedish chemicals Agency KEMI proposes the use of a mixture assessment factor (MAF)



2018

EU Commission announces ban on four phthalate chemicals due to their combination effects

2019

Joint statement from global researchers recommend the application of a MAF as a way to decrease the total burden of exposure to chemical mixtures

2019

The European Food Safety Authority (EFSA) develops a framework when evaluating the potential "combined effects" of chemical mixtures in food and feed



2020

EU Chemical Strategy for Sustainability recommends assessment of inclusion of MAF in REACH and provisions to address mixtures in other laws

