A sneak preview of our upcoming report

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In a nutshell

Outputs
State-of-the-science report on hazardous chemicals in plastic
PlastChem database
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Building on UNEP report
– up-to-date evidence base of plastic chemicals and polymers
– groups of chemicals based on their structure
– criteria and conceptual framework to address chemicals of concern
– priority lists of chemicals and polymers
– policy needs

Team
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Universe of known plastic chemicals

PlastChem database

16,325 chemicals with identifier
Work in progress – preliminary data

>18,000 chemicals (all entries)
Chemicals of concern in plastics

PlastChem database

16,325 plastic chemicals

4,105 chemicals (25%) classified hazardous

11,928 chemicals (7%) less hazardous

161 chemicals (1%) not classified hazardous but not fully assessed

Work in progress – preliminary data

Persistence
Bioaccumulation
Mobility
Toxicity
Framework to prioritize chemicals
Key messages

1. >16 000 plastic chemicals, 25% of which classified hazardous

2. No plastic chemical classified as “safe”

3. Evidence-based classification and prioritization of chemicals and polymers of concern is possible


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