Lessons learnt from 25 years of working with the Stockholm Convention and Plastics

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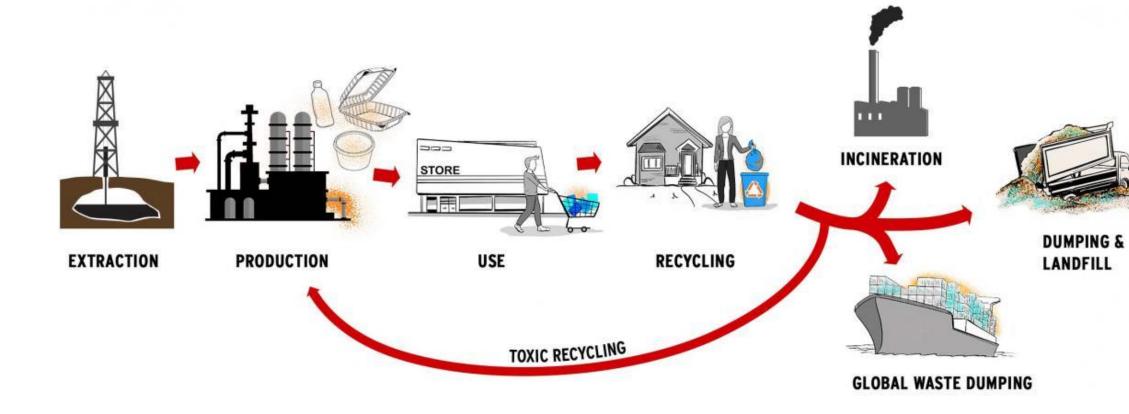


Plastics are transporting toxic chemicals into the food chain

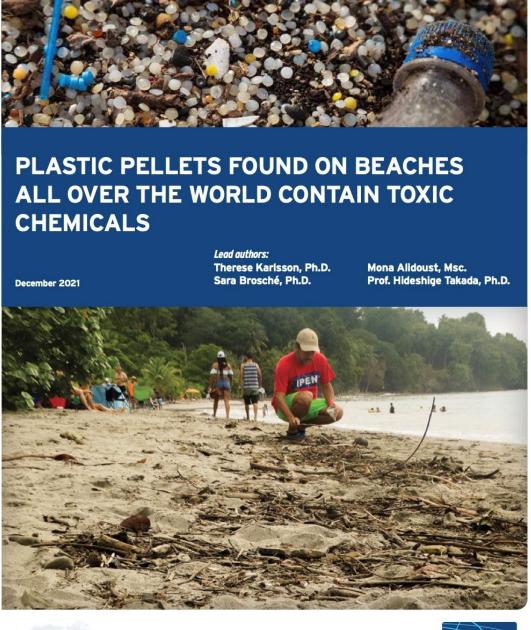
The Egg Report

Joseph DiGangi, Ph.D., Jindřich Petrlík, M.S. April, 2005 **IPEN**[®]

Keep the Promise Eliminate POPs Report

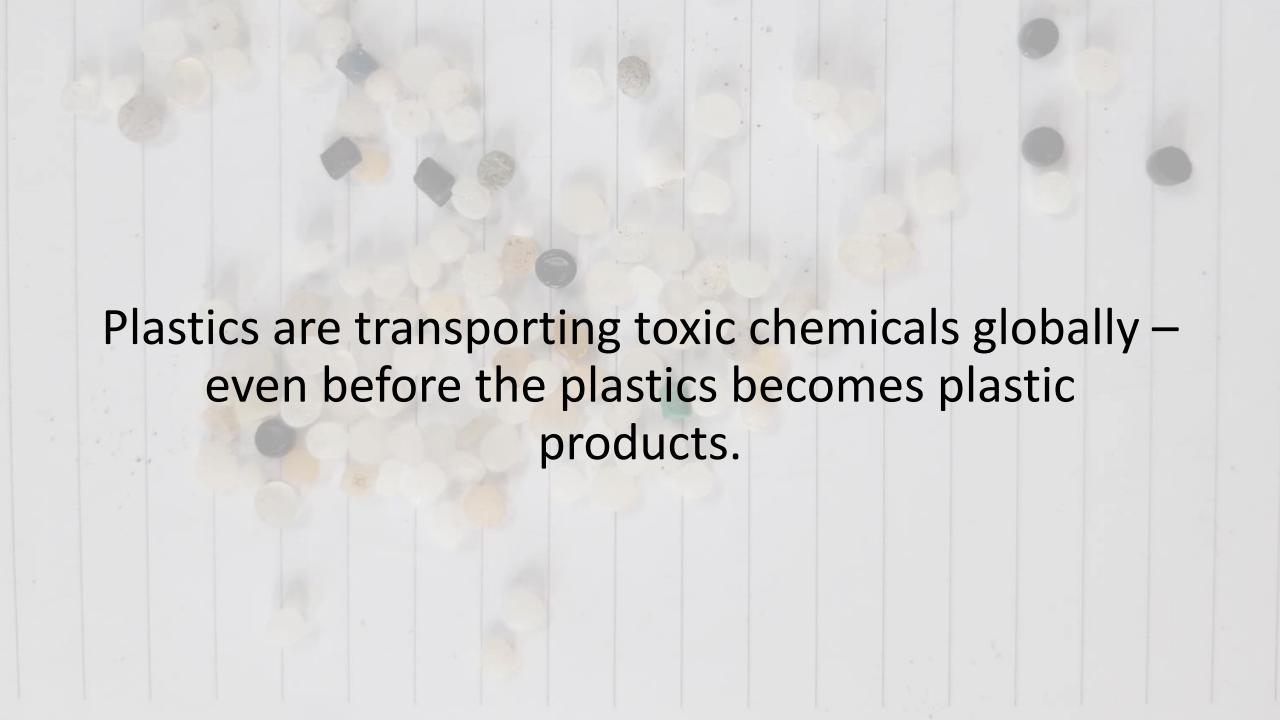


Plastic pellets from all sampled locations contained PCBs and UV-328











78% of all samples contained Bisphenol A (BPA)

14/23 products labelled BPA-Free contained BPA







Bisphenol A leaching from polycarbonate baby bottles into baby food causes potential health issues

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Plastics are transporting toxic chemicals into our homes and our bodies with very limited controls and no transparency







Of 24 samples: 22 had Brominated flame retardants

22 had BPA, 24 had benzotriazole UV stabilizers (17 had UV-328)



All analyzed toys contained Brominated flame retardants. 72/73 contained DecaBDE



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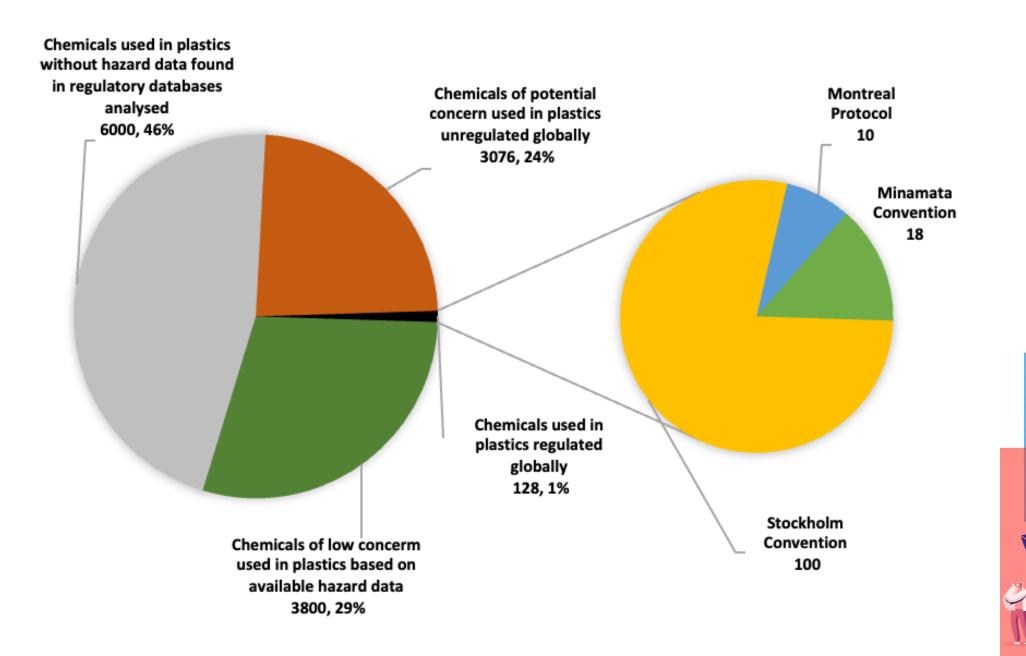
Worker health risk of heavy metals in pellets of recycled plastic: a skin exposure model

Guozhong Huang, Jiaying Xie □, Tao Li & Peipei Zhang

International Archives of Occupational and Environmental Health 94, 1581–1589 (2021) Cite this article

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"found clear exposure-risk associations between heavy metals (lead, cadmium, chromium, arsenic) and worker health. Particularly, we found workers exposed to As and Cr were more likely to incur cancer." Plastics are transporting toxic chemicals into the environment, into our food and into us.





GLOBAL

Chemicals currently under evaluation

	Used in plastics	Regrettable substitute for previous listings
Methoxychlor		Replaced DDT
UV-328	x	
Dechlorane Plus	X	Replaced DecaBDE
Medium chained		Replaced short chained
chlorinated paraffins	X	chlorinated paraffins
Chlorpyrifos	(x)	
Long-chained PFCAs	X	

1st May: Got listed with no exemptions!

Examples of chemical groups that could be prioritized

- Chlorinated paraffins
- PFAS
- Bisphenols
- Brominated flame retardants
- Dioxins
- Phtalates
- Benzotriazole UV-stabilizers
- And more...

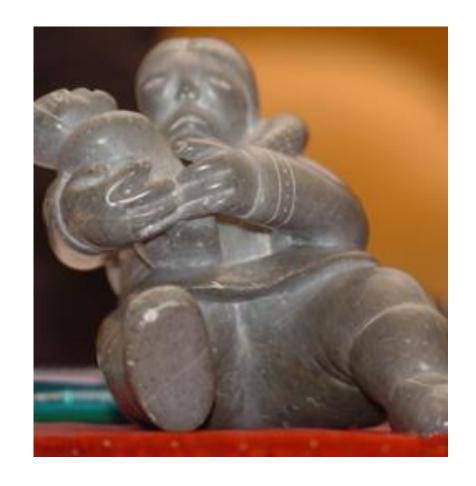
Key Elements of the Stockholm Convention

- Global, legally binding mechanism to eliminate the world's most dangerous chemicals
- Focus is on elimination rather than managing risk
- Provisions for addition of new chemicals beyond initial list of twelve
- Identification and inventory of contaminated sites for clean up
- Effectiveness evaluation
- Based on the precautionary principle



The Language of the Stockholm Convention

- "Aware of the health concerns...in particular impacts upon women and children and, through them, upon future generations."
- "Conscious of the need for global action..."
- "Acknowledging that precaution underlies the concerns of all the Parties and is embedded within this Convention..." protect human health and the environment..."
- "Determined to
- "Acknowledging that the Arctic ecosystems and Indigenous communities are particularly at risk..."





The protection of human health and the environment should be reflected **throughout** the control measures of the Plastics Treaty