



MyPOLLENTalks

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Emerging contaminants in consumer products: what solutions beyond existing regulation?

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EC workshop on Greener Daily Products



Emerging Contaminants

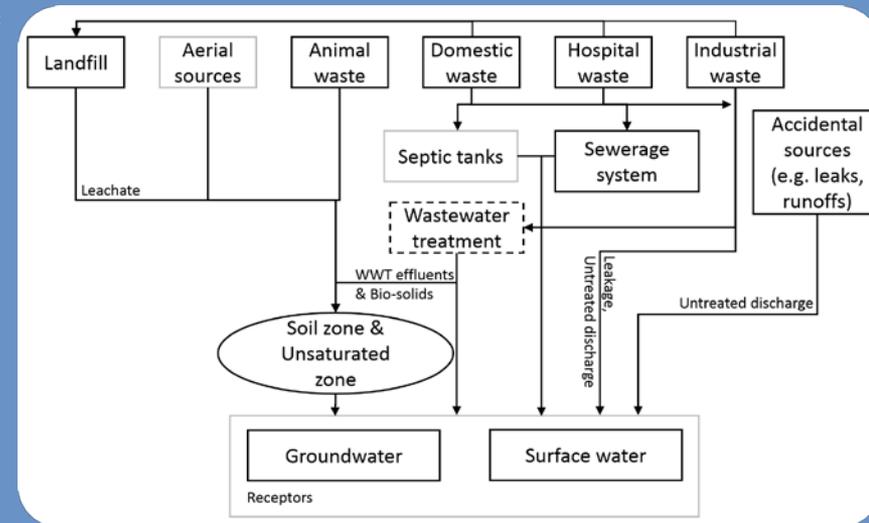
- Chemicals not regulated, nor monitored
- Potential for adverse effects on health and environment
- Presence and significance newly observed in the Environment
- Daily products
 - Personal Care Products (PCPs): cosmetics, perfumes, hygiene products, sun care
 - Household products: ambient air products, detergents
 - Food additives
 - Garden products
 - Pharmaceuticals





Why is it a concern?

- Growing evidence of impact on Health and Environmental
 - Allergens
 - Endocrine disruptors
 - Irritant
 - Toxic
 - Carcinogenic
- Widely used: 30,000 to 50,000 industrial chemicals in daily products
- Low understanding of triggering mechanism
 - Bioaccumulation
 - Combination Effects
 - Repeated exposure
 - Air, Water and Food Chain





Chemicals regulation and challenges

- EU policy background
 - Upstream - Chemicals: REACH, CLP, specific products legislation (e.g. cosmetics, detergents, biocides, pharmaceuticals)
 - Downstream - Environment: WFD, UWWTD, DWD
 - Priority list (WFD Annex X), SVHC list (REACH Annex XIV)
- EC Scientific committees: SCCS (Consumer Safety), SHEER (Health, Environment, Emerging risk), ICGQ, providing simplified scientific opinions
- NORMAN network on emerging contaminants: scientific knowledge exchange, development of tools to connect science & policy

Policy changes: time-demanding, prioritisation, complex interactions

→ Necessity to anticipate changes in manufacturing process



Recommendations

- Knowledge building: alternatives, risk assessment, monitoring, treatment
- Improve and simplify transparency for consumers
 - Qualitative labelling
 - Information sheets
- Develop safer products at all stages of product supply chain, from production to consumption
 - Sustainability tools
 - Green chemistry & Green engineering principles (solvents, reagents)

BUTYLPARABEN, PROPYLPARABEN, SODIUM BUTYLPARABEN, SODIUM PROPYLPARABEN, POTASSIUM BUTYLPARABEN, POTASSIUM PROPYLPARABEN

Fonction : conservateurs

Perturbateurs endocriniens

Peuvent être présents dans :

- laits corporels
- crèmes visage (hydratantes, antirides, BB crèmes), crèmes mains et pieds
- crèmes solaires
- fonds de teint
- déodorants
- gels douche
- shampooings
- dentifrices...

Produit	Adulte	Enfant	Femme enceinte
PRODUIT NON RINÇÉ	●	●	●
PRODUIT RINÇÉ	●	●	●

● absence de risque
● risque limité
● risque moyen
● risque significatif

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→ Reduce the number of chemicals in daily exposure for all



Useful links

- EC Regulation and informations:
 - European Commission, “Chemicals regulation”, available at https://ec.europa.eu/growth/sectors/chemicals/legislation_en
 - European Commission, “Scientific Committees - Easy-to-read scientific opinions”:
https://ec.europa.eu/health/scientific_committees/policy/opinions_plain_language_en
- NORMAN, “Databases”, available at <http://www.norman-network.net/?q=node/24>
- Safer chemicals guides:
 - American Chemical Society, “Green chemistry”, available at <https://www.acs.org/content/acs/en/greenchemistry.html>
 - BizNGO, “Guide to Safer Chemicals”, available at <https://www.bizngo.org/safer-chemicals/guide-to-safer-chemicals>
- Que choisir, “Summary sheets” and “informative card”, available on <https://www.quechoisir.org/decryptage-produits-cosmetiques-telechargez-notre-carte-repere-des-molecules-toxiques-n11449/>



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