

# Substances in articles



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Enforcement and Registries




# Substances in articles

- Increased import
- Chemical content unknown
- Concern about unwanted substances:
  - carcinogenic, mutagenic, toxic to reproduction
  - persistent, bioaccumulative, toxic
  - endocrine disruptive



 Negative impact on health and environment

# What is an article?

- Chemical product: "classic" chemicals such as paint, glue, solvents, detergents. 
- Pesticides: biocides and plant protection products. For example wood preservatives, repellants, agrochemicals. 
- **Article: "means an object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition."** 

# Article or chemical product?



# Degree of control?



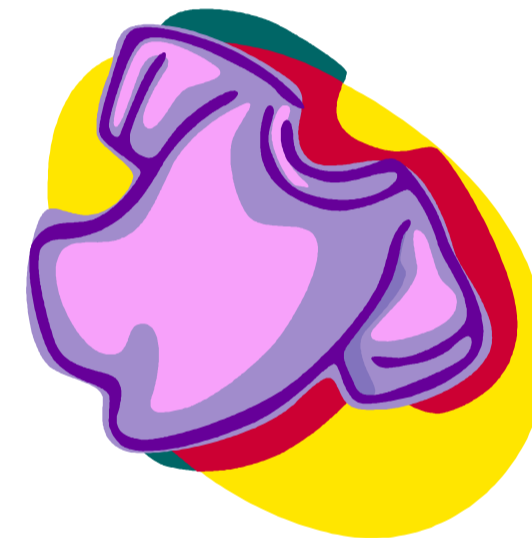
## Pesticides

- Approval
- Registration
- Labelling/SDS



## Chemical Products

- Registration
- Labelling/SDS



## Articles

- Reach, art 33, annex XVII
- Product directives

# Consideration rules of the Swedish Environmental Code (1998:808, chapter 2)



The knowledge principle; The one conducting an activity is to have the sufficient knowledge to manage the risks it gives rise to.

The precautionary principle; You are to undertake the risk management actions that this knowledge requires

The substitution principle; You are to avoid dangerous products (and techniques) if there are significantly less dangerous substitutes available.

# Enforcement in Sweden



EEE



Toys

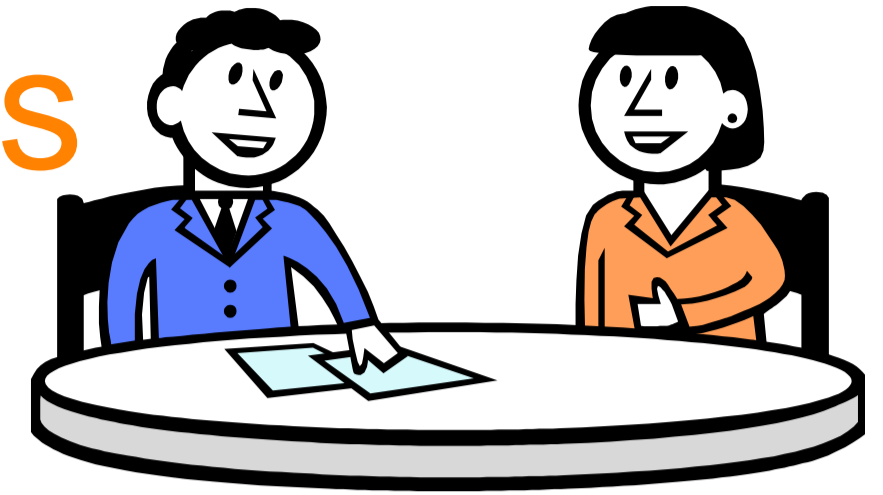


Construction articles,  
Interior design articles

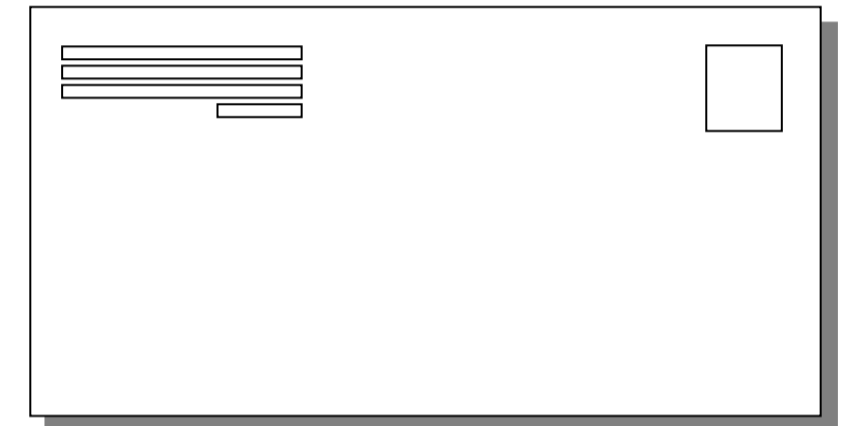


Clothes,  
shoes,  
accessories

# Enforcement of articles



- On site inspection / letter inspection
- Company's own control (chemicals)



”How do you make sure that your articles fulfill the requirements in the legislation”

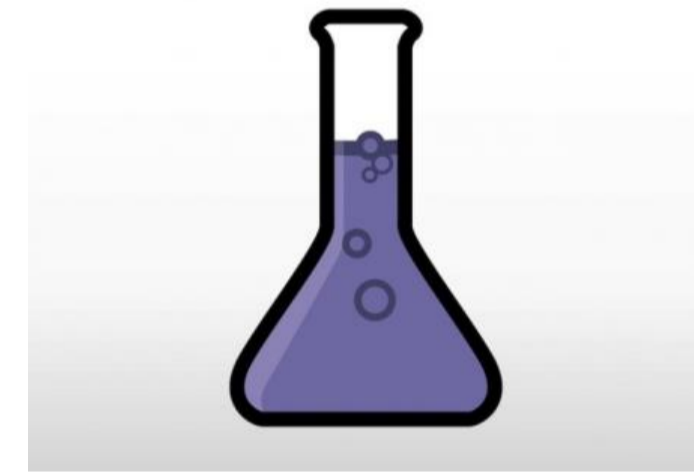


# Analysis of articles

1. XRF



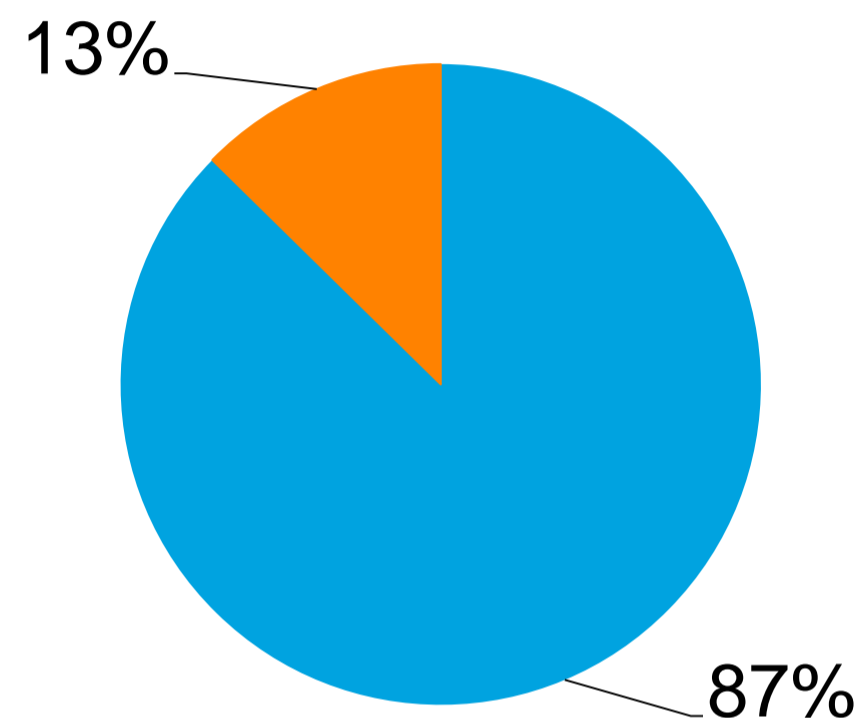
2. Sent to an external accredited laboratory



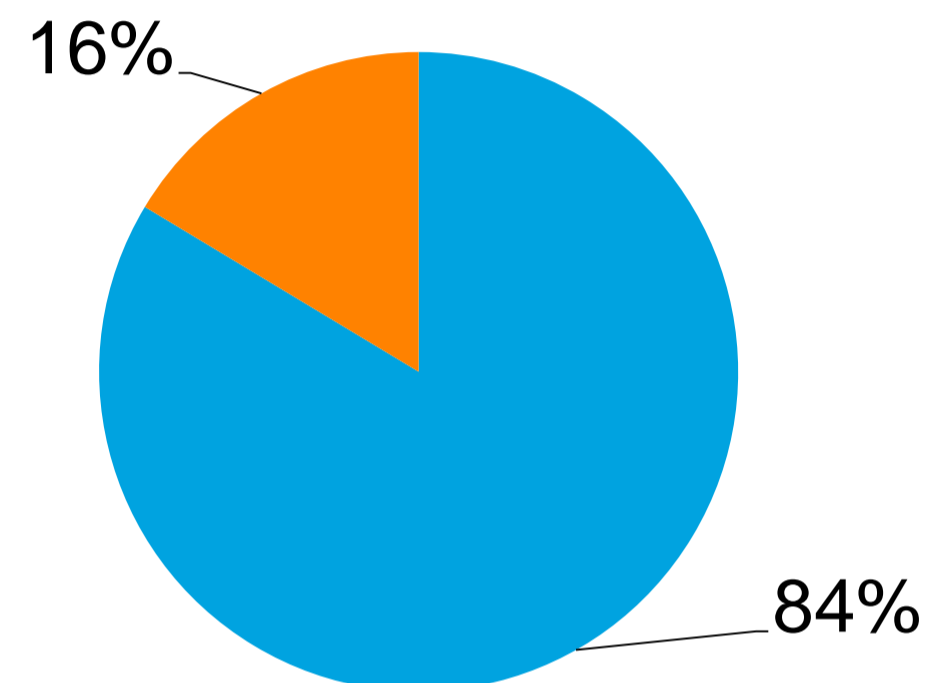
3. If the article contain exceeded levels of a restricted substance the company is reported to the prosecutors office

# The result of enforcement activities in Sweden 2008-2013

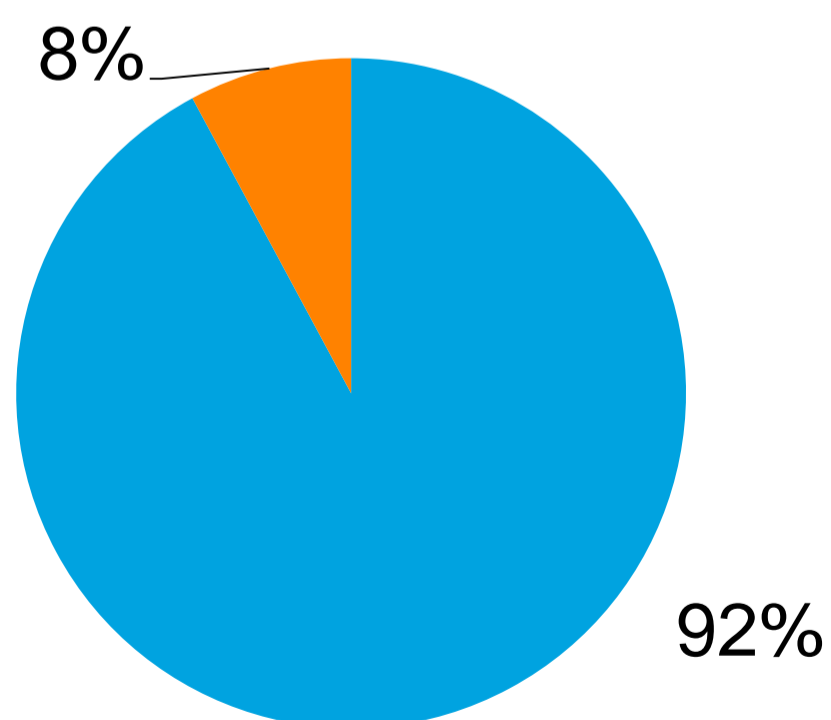
**Electronics**



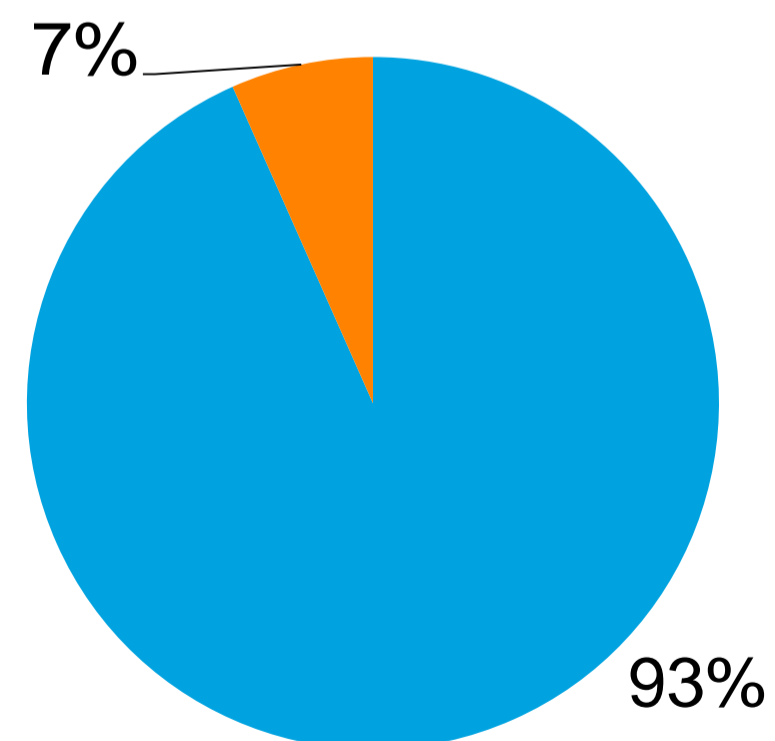
**Toys and other childcare articles**



**Construction articles, interior design articles**



**Clothes, shoes and accessories**



# XRF-show

