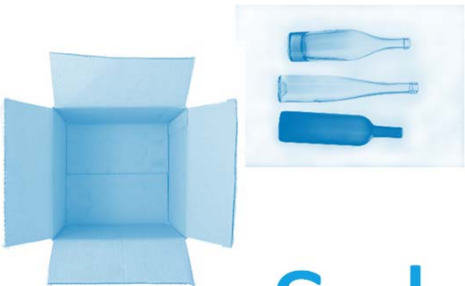


Substances (of concern) in Articles

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Substances are all around!



What is an article under REACH? (2)



Paraffin wax



carrier for the
pigment



Shape not more relevant
for its function (to bring
pigment to paper) than
the chemical composition



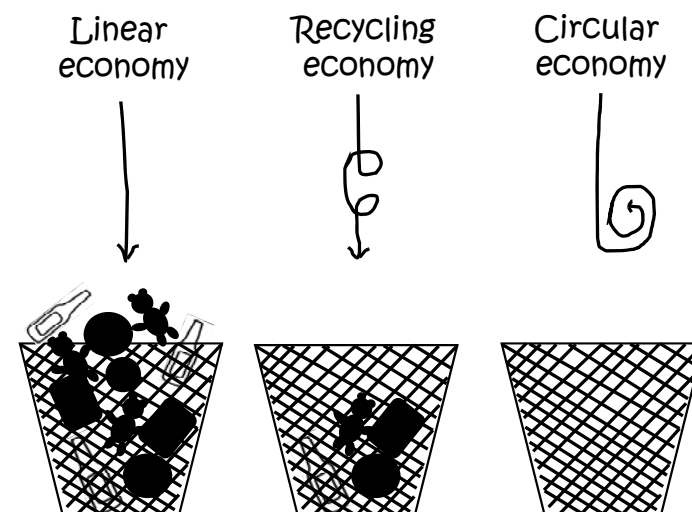
mixture
(not an article!)

Who are article suppliers?

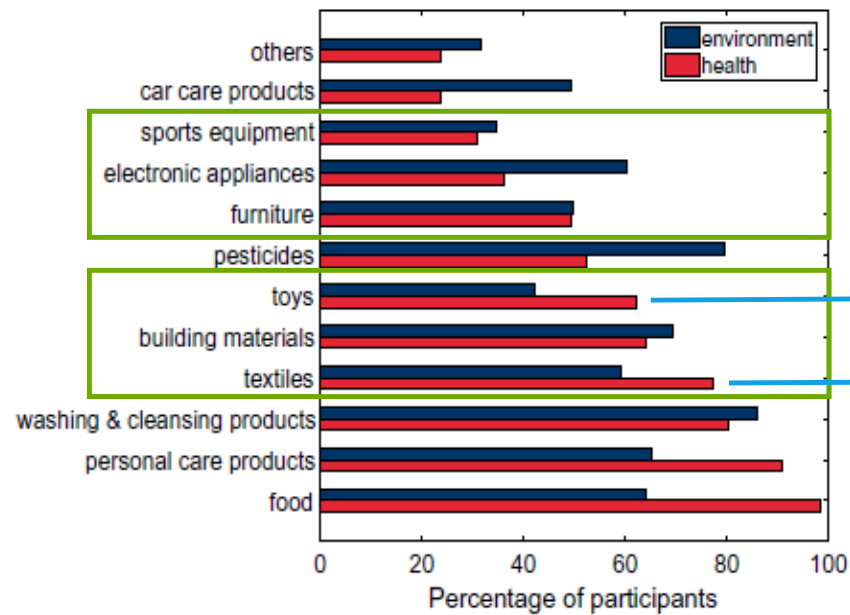
- Article producers e.g.
 - Toy industry
 - Furniture industry
 - Textile industry
 - Electronics industry (home appliances, computers, electrical circuit boards...)
 - Kitchen wear manufacturers (glassware, porcelain, cooking utensils...)
 - Artisans (jewellers, goldsmiths, dressmakers, shoemakers...)
 - Packaging industry (including food packaging!)
- Importers and distributors placing articles on the market
- Retailers selling all of the above mentioned articles (among others)

Substances in Articles (SiA)

- A growing **concern!**
- Trade of articles is an important part of global **transport of chemicals**.
- Generally consumers and businesses are **not well aware**.
- Increasing the **availability of information on SiA** -> crucial strategy in solving the problem of substances of concern and their impact on human health and the environment.
- Vital for the implementation of **Circular Economy!**



SiA – Consumer concerns



Majority of interest is for human health reasons!

Respondents interested in product groups for human health reasons (red) or for environmental reasons (blue). Total number of participants: 1030.
Hartmann and Klaschka Environ SciEur (2017) 29:29

Substances of concern – Where and why?

Substance	Characteristics/ purpose of use	Material/Article used in	Possible health impact
Metals (lead, chromium, cadmium, mercury)	Colouring, stabilization ^[1]	Enamelware, crayons ^[1] , Electronic appliances ^[2] , jewellery, toys ^[3]	Toxic, accumulative ^[1,3] , effect on renal function, carcinogenic and reproductive effects ^[3]
Phthalates (DCHP, BBA, DEP...)	Plasticisers ^[1, 2]	Plastics ^[2] (toys, packaging, PVC flooring ^[1]), coatings ^[4]	Reproductive effects and endocrine disruption ^[1]
VOCs (e.g. formaldehyde)	Solvents, Adhesives ^[1, 5]	Construction products e.g. wood panels ^[5] , chipboards ^[1]	Acute toxicity, neurotoxicity ^[1]
Perfluorinated compounds (PFCs)	Water/stain repellents ^[3]	Textile finishing: clothing, carpets ^[2, 3]	Persistent, bioaccumulative, toxic ^[3]
Brominated flame retardants (BFRs)	Increase fire resistance ^[6]	Electronic appliances ^[3] Construction products: insulation material (polystyrene/urethane), textiles ^[6]	Bioaccumulative ^[3]

[1] https://www2.mst.dk/udgiv/Publications/2001/87-7944-519-5/html/kap10_eng.htm#f85

[2] Hartman and Klaschka, Environ Sci Eur (2017) 29:29

[3] Toxic Substances in Articles: The need of information (<http://www.diva-portal.org/smash/get/diva2:701141/FULLTEXT01.pdf>)

[4] ECHA data on DCHP: <https://echa.europa.eu/fr/substance-information/-/substanceinfo/100.001.405>

[5] Weigl et al., international Wood Products Journal (2014), 5:3

[6] Alaei et al., Environment International (2003), 29 pp 683-689

Candidate List substances in articles – REACH

- **191 substances** (of very high concern, SVHC) on Candidate List currently
- **Notification*** of Candidate List substances in articles is required from producers and importers of articles when **both** of the following conditions are met:
 - The substance is present in those articles in quantities totalling **over one tonne** per producer or importer per year
 - The substance is present in those articles **above a concentration of 0,1% (w/w)**
- **Communication duty**** on Candidate List substances (concentration > 0,1%, w/w) in articles -> **name** of substance and information on safe use!
 - Within the **supply chain** (provided by the supplier to the recipient)
 - To the **consumer** (upon request), within 45 days

Article producers: also consider the [Authorisation List](#) (Annex XIV) for possible authorisation requirements for SiA!

Restrictions – REACH

Annex XVII Entry 23, Cadmium and its compounds

10. Shall not be used or placed on the market if the concentration is equal to or greater than 0,01 % by weight of the metal in:

- (i) metal beads and other metal components for jewellery making;
- (ii) metal parts of jewellery and imitation jewellery articles and hair accessories, including:
 - bracelets, necklaces and rings,
 - piercing jewellery,
 - wrist-watches and wrist-wear,
 - brooches and cufflinks.

“A substance
containing
used

Annex XVII
market or

ECHA guidance

Is it an article?



Is it a complex object?

What are the exemptions?

Is it a combination of an article and substance/mixture?

https://echa.europa.eu/documents/10162/23036412/articles_en.pdf

SVHC Alert

Deutsche Fassung
 Version française
 SVHC under regulatory assessment and scrutiny



The REACH&CLP Helpdesk informs about Substances of Very High Concern (SVHC)

The goal of Article 55 REACH is to properly control the risks arising from substances of very high concern (SVHC) and that these substances are progressively replaced by suitable alternative substances or technologies where these are economically and technically viable.

The so-called [SVHC Roadmap 2020](#) aims to have all relevant and currently known SVHCs included in the [Candidate List](#) by 2020. The planned steps to achieve this objective are in the [SVHC Roadmap implementation plan](#), foreseeing screening methods and management option analysis (RMOA) to identify potential SVHC and the best risk management measure.

The inclusion of a substance in the [Candidate List](#) already creates [legal obligations](#) for companies manufacturing, importing or using such substances, whether on their own, in articles. Manufacturers, importers or downstream users shall not place a substance on the market for use or use it themselves if that substance has been included in the [Annex XVII \(authorisation list\)](#), unless an authorisation has been granted.

Companies should be aware of the impending regulatory constraints at an early stage in order to anticipate upcoming obligations and to start looking for possible alternatives. **The REACH&CLP Helpdesk informs you regularly on the status of SVHC and potential new SVHC.**

The following (potential) SVHC are under regulatory assessment and scrutiny:

>> **Early warning: Substances of potential concern listed in the Public Activities Communication Tool (PACT)**

Reminder: The Public Activities Coordination Tool (PACT) lists all substances for which an informal hazard assessment or a risk management option analysis (RMOA) is being developed or has been completed with the aim to identify potential SVHC. The listing of a substance in the PACT can be seen as a very early warning for companies allowing stakeholders to prepare for possible future requirements well in advance. New chemicals are added to the PACT on a regular basis. Please consult the [PACT list](#).

Details of the substance	
Substance name	Amylase, α-
CAS/EC Number	9000-90-2/232-565-6
Status/activity	Risk Management Option Analysis (RMOA): Respiratory Sensitizer
Outcome	No need to initiate further regulatory risk management action at this time
Latest update	12/09/2018

Uses	
This substance is used in the following products: washing & cleaning products and water treatment chemicals (consumer use).	
This substance is used in the following products: paper chemicals and dyes, textile treatment products and dyes, laboratory chemicals, leather treatment products, washing & cleaning products, water treatment chemicals and pharmaceuticals.	
This substance is used in the following areas: municipal supply (e.g. electricity, steam, gas, water) and sewage treatment and scientific research and development. This substance is used for the manufacture of chemicals, textile, leather or fur and pulp, paper and paper products (use at industrial sites).	

Source of information	ECHA (2018): Registration dossier: Brief profile: Amylase, α-, available at https://echa.europa.eu/brief-profile/-/briefprofile/100.029.592
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Details of the substance	
Substance name	Sodium perfluoroheptanoate
CAS/EC Number	20109-59-5/243-518-4
Status/activity	Hazard assessment: Endocrine disruptor (ED)
Outcome	Under development
Latest update	10/08/2018

Subscribe via:

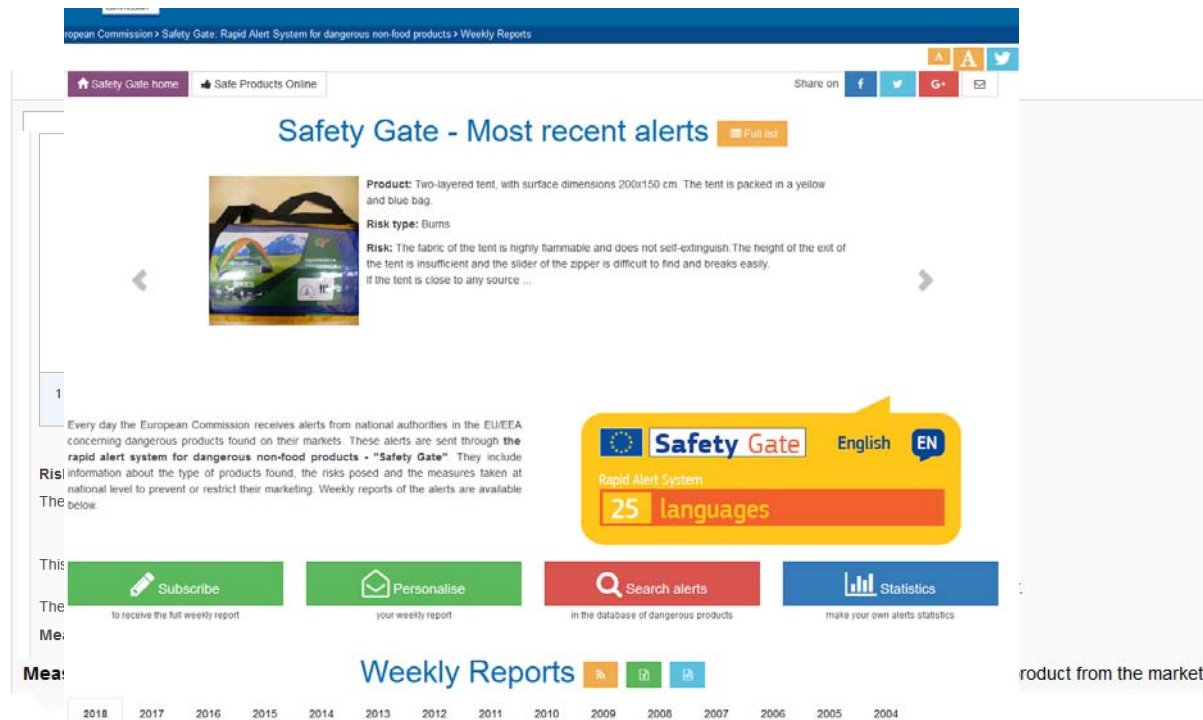
<http://www.reach.lu/en/support/resource-center/newsletter/>



A selection of regulatory aspects beyond REACH

- **Waste Framework Directive (2008/98/EC)**
 - General framework of waste management requirements and sets the basic waste management definitions for the EU.
 - SVHC information of **articles** to ECHA database by January 2021! ((EU) 2018/851)
- **Toy Safety Directive (2009/48/EC)**
 - Safety criteria that toys must meet before they can be marketed in the EU.
- **Construction Products Regulation ((EU) No 305/2011)**
 - Harmonized rules for the marketing of construction products in the EU.
- **Restriction of Hazardous Substances Directive, RoHS (2002/95/EC)**
 - Restricting the use of hazardous substances in electrical and electronic equipment
- **General Product Safety Directive (2001/95/EC)**

Safety Gate - the rapid alert system for dangerous non-food products



European Commission > Safety Gate: Rapid Alert System for dangerous non-food products > Weekly Reports

Safety Gate home Safe Products Online Share on f t G+

Safety Gate - Most recent alerts

Product: Two-layered tent, with surface dimensions 200x150 cm. The tent is packed in a yellow and blue bag.

Risk type: Burns

Risk: The fabric of the tent is highly flammable and does not self-extinguish. The height of the exit of the tent is insufficient and the slider of the zipper is difficult to find and breaks easily. If the tent is close to any source ...

1

Every day the European Commission receives alerts from national authorities in the EU/EEA concerning dangerous products found on their markets. These alerts are sent through the **rapid alert system for dangerous non-food products - "Safety Gate"**. They include information about the type of products found, the risks posed and the measures taken at national level to prevent or restrict their marketing. Weekly reports of the alerts are available below.

Ris

The

This

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Me:

Mea:

Subscribe to receive the full weekly report

Personalise your weekly report

Search alerts in the database of dangerous products

Statistics make your own alerts statistics

Safety Gate English EN

Rapid Alert System

25 languages

Weekly Reports

2018 2017 2016 2015 2014 2013 2012 2011 2010 2009 2008 2007 2006 2005 2004

product from the market

https://ec.europa.eu/consumers/consumers_safety/safety_products/rapex/alerts/repository/content/pages/rapex/index_en.htm

Thank you for your attention!

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