



Substitution in practice and the beauty of chemicals

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ABOUT CHEMSEC



Sweden based non-profit



Founded 2002 by four environmental NGOs to work on chemicals on an international level



Funding from government and charity funds



Offering concrete tools and highlighting positive examples



A satellite in orbit over Earth's clouds. The satellite is on the right side of the frame, with a gold-colored thermal blanket at the top and a white cylindrical body below. The Earth's surface is covered in white and grey clouds, with some brownish landmasses visible. The background is a deep blue space.

The Bigger picture

Assessing economic aspects of chemical substitution

CHEMSEC BUSINESS GROUP



LEGO



SKANSKA

SONY



“Today’s consumers are more concerned about **health and well-being**, both physically and emotionally. It is a given that products should be healthy and safe, and come from a sound value chain.”

From Growing IKEA Together 2020

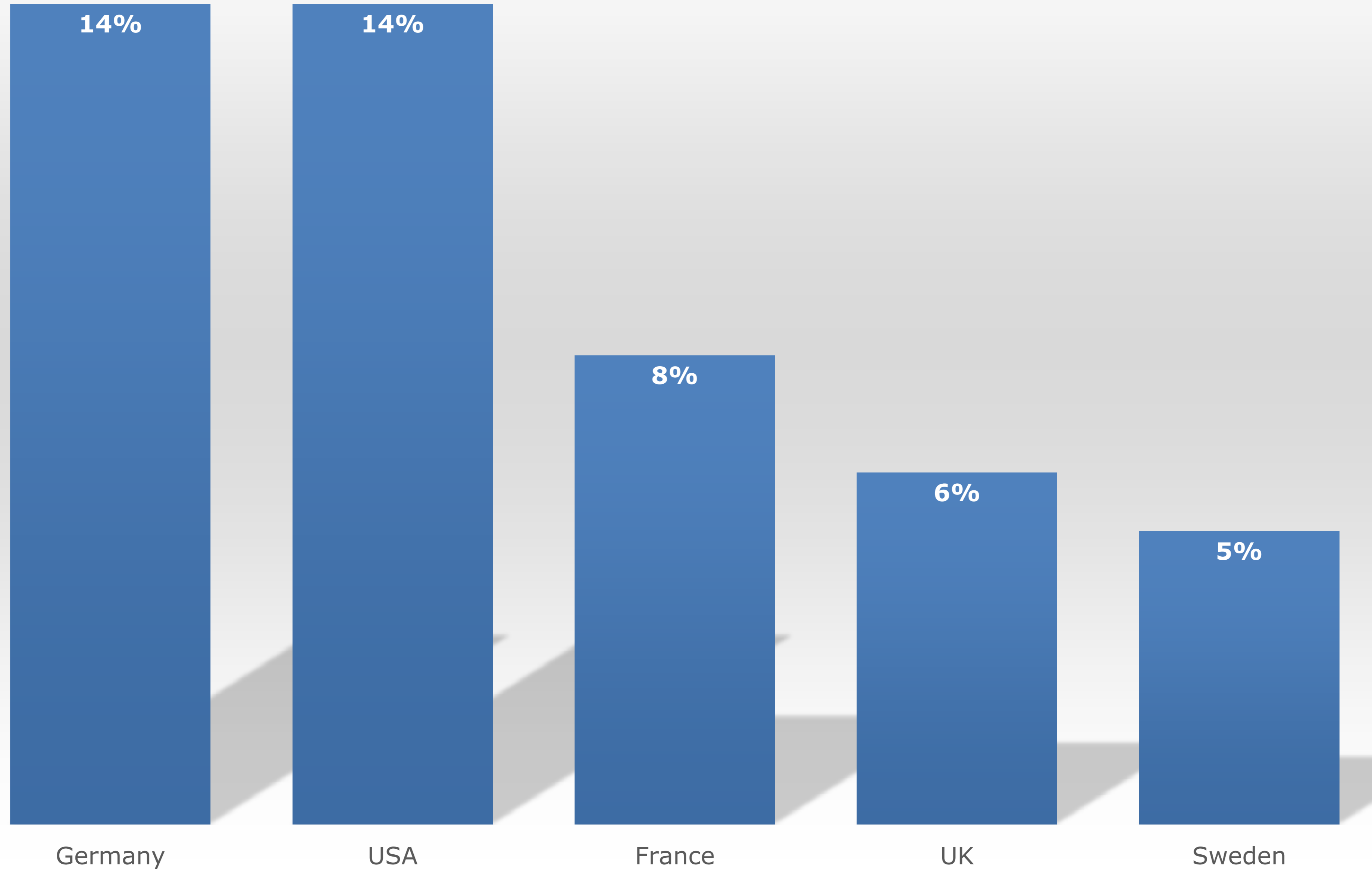


IKEA stores 2016



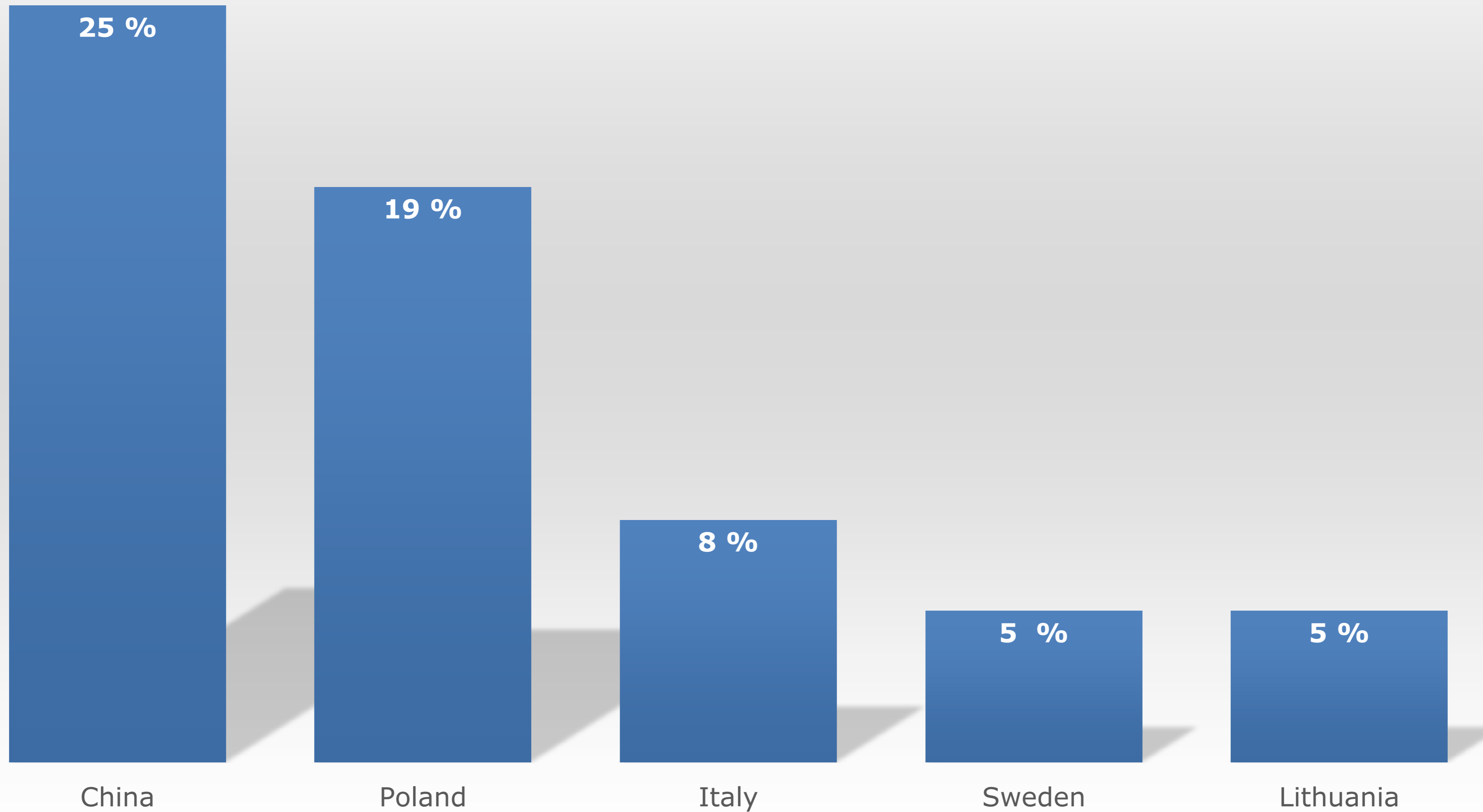
Top selling countries

Retail sales 2016 as a percentage of total IKEA sales



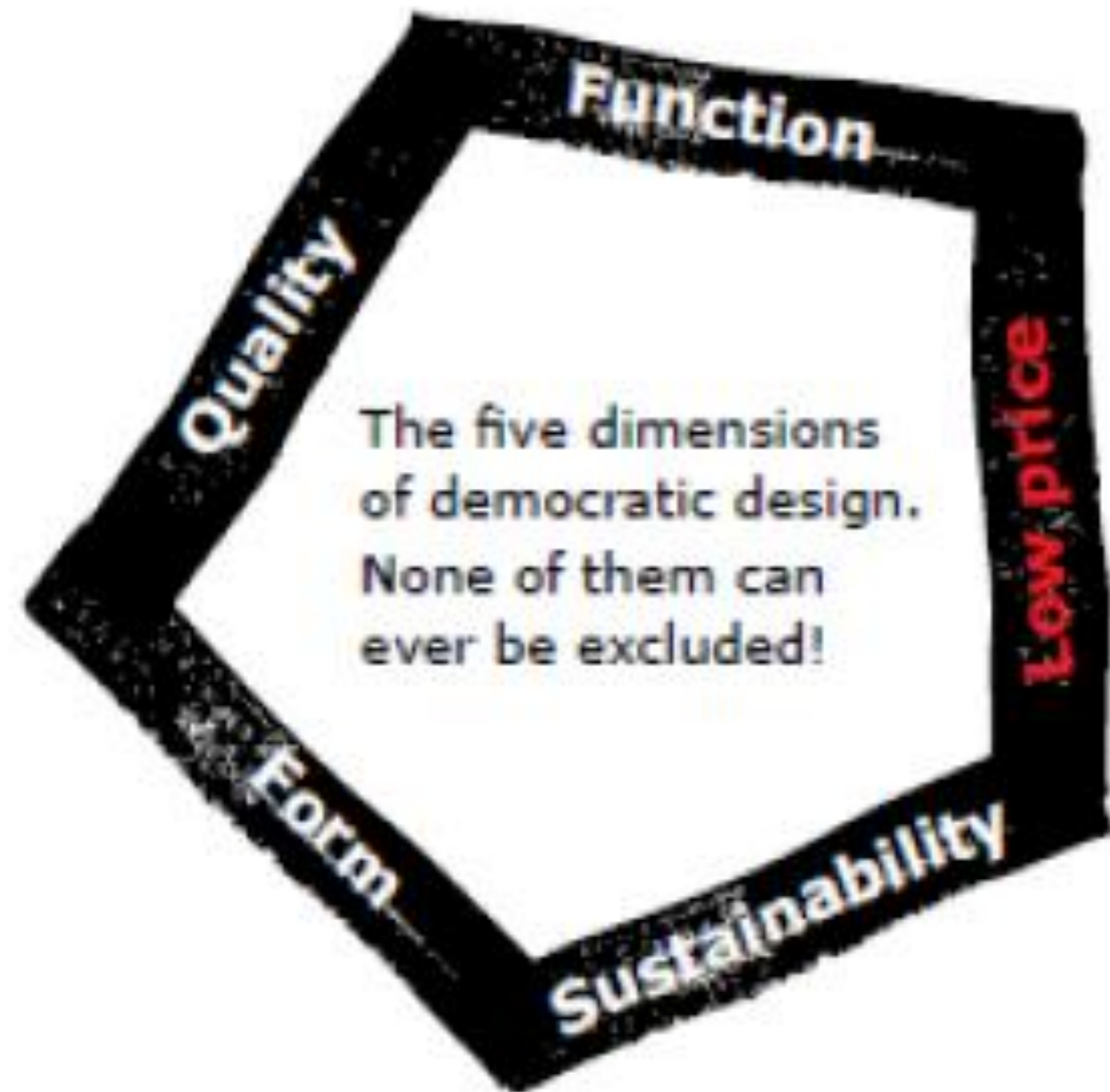
Top purchasing countries

(2015)



Product development - IKEA Range & Design strategy

Democratic design



LÖVBACKEN
Side table



IKEA Specification
Chemical compounds and substances

Spec. no: I05-MAT-0010
Date: 2013-05-10
Version no: AA-10911-11

Issued by: Annelie Linhed, Product Requirements and Compliance/ Product Laws and Standards specialist.
Authorized by: Pär Stenmark, Manager Product Requirements & Compliance/IKEA of Sweden.
Signature: [Handwritten Signature] Replaces: AA-10911-10

Chemical compounds and substances

Contents

This specification describes IKEA bans and restrictions on certain chemical compounds and substances due to national or international regulations and/or health and environmental concerns.

Implementation of changes

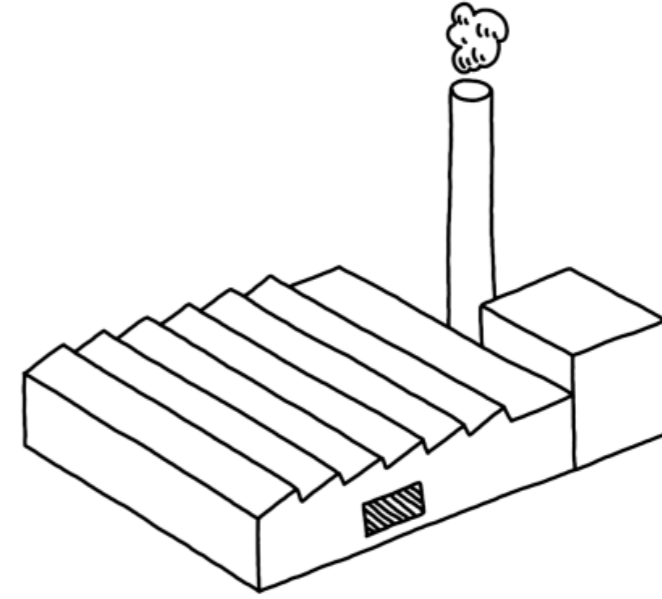
Changes in this specification, version no AA-10911-11, shall be implemented the latest from packaging date stamp 1337 (year 2013 week 37) unless otherwise stated below:

- For the requirement on APEO/A9 in polymeric; extended implementation time is given until datestamp 1402 (year 2014 week 02). See section 3.4.
- For the requirement that organotin compounds are not allowed to be used at the site of production of polyurethane for IKEA upholstery furniture, extended implementation time is given until datestamp 1345 (year 2013 week 45). See section 3.5.

Packaged products having a packaging date stamp earlier than as specified above shall be shipped to IKEA before shipping products compliant with this version of the specification.

Any existing approvals that are not already connected to the Product Documentation shall be re-applied to IKEA on a form supplied by IKEA:

- latest 2013-08-15 for:
 - use of flame retardants,
 - use of perfluorinated or partially perfluorinated substances,
 - use of biocides added in order to impart properties to the final product,
 - use of wood preservatives in rubberwood and fruit-tree wood;
- latest 2014-08-15 for:
 - use of fragrances,
 - use of recycled material from external source.



Chemical Strategy

- Objective 1:** Systematic and increased information about chemical content of our products.
- Objective 2:** All material used in IKEA products are assessed for chemical safety.
- Objective 3:** In a systematic way, phase out substances and materials that could cause harm.
- Objective 4:** Our suppliers share our values on chemical safety and compliance.
- Objective 5:** Increased awareness among co-workers, consumers and other key stakeholders about our work on chemicals.



IKEA FAQ

FLAME RETARDANTS



making kids safer with
flame retardant plastics.

ROSTEN inflatable
children's floor cushions
are made from polyolefin,
flame retardant plastic.

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Energy & resources

Climate & energy

Wood

Cotton

Water

Chemicals

Waste

Food

Chemicals

Safety First

When it comes to chemicals, our goal is simple: to do everything we can to make sure that our products are free from any chemicals that can be harmful to you or the environment.

Chemicals play an important part in the production of IKEA products. They give texture to materials and provide beautiful colours through dyeing or printing. Glues make our products strong and paint and other coatings protect them from scratches, corrosion and liquids.

In other words: chemicals are unavoidable. On the other hand, we are very strict when it comes to selecting the chemicals we use.

We actively phase out and exclude all harmful and unnecessary chemicals. We follow the strictest rules and regulations and often go further than legislation requires to provide safety in the making, handling and use of IKEA products. That way, you can feel secure in the knowledge that our products do not contain any harmful chemical substances.



2016 - Per- and polyfluoroalkyl substances (PFAS)

* Exception for electrical articles

- **Sofa bed mattresses:** A fiber fire barrier made of Rayon/Polyester wadding is used that has an inherently fire resisting property, together with an interliner for some articles in order to comply with US legislation. Flame retardant chemicals are only used for some stitch bond and zipper.
- **Tents, play tunnels and other products you can enter:** Flame retardants is applied on the fabric to meet the fire requirements for tents in a few countries.
- **Electrical and Electronic products:** Flame retardants are used in electrical and electronic products in order to comply with applicable flammability and safety standards.

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-  chemsec **MARKETPLACE**





Search for safer alternatives to hazardous chemicals

I'm looking for an alternative to...

SEARCH



Add alternative



Submit request



Account settings

Alternatives Request Advanced Search >

Future-proof your business

Find safer alternatives to hazardous chemicals

Do you want to replace a chemical that is harmful to health or the environment with a better alternative? Search our database to find an alternative product from the suppliers presenting their offerings on the site. A quick and simple way to find the substitute you need.

Do you offer a safer alternative to hazardous chemicals? Show it on Marketplace.

At Marketplace you reach out to customers with an expressed interest in what you have to offer. And get a great opportunity to present your safe alternatives to harmful substances for a better future.

SIGN UP NOW

ADVERTISEMENTS



- Use/function
- Which substance can it replace?
- Sector, material
- Which legal requirements, standards and third party verifications does the alternative fulfil?
- Market status – in which quantities can you deliver?
- Who to contact

MARKETPLACE by chemsec

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LANASOL® CE - pioneering replacement of chrome dyes since 20 years

Summary: Huntsman Textile Effects started with the replacement of chrome (mordant) dyes 20 years ago and stopped production and sales of chrome dyes already in 2008. With the concept of LANASOL CE a trouble free move has been made possible.

Description: Dyeing wool with chrom... potassium or sodium dichromate, is... included dichromate into... need in...
Additionally: the neg... real impact on the d... comparison. The re... LANASOL CE dyes (...
5 different LANAS... fastness. The late... and doesn't sho... shading in possi...
A large numbe... LANASOL CE d... method of dy...
Already in 2f... CE dyes for... the Textile

Practical implementation: With HIGH IQ® Repel finish... friendly apparel with rain and stain protection. To... program is built on a comprehensive range of... safe and the most credible alternative to...

High IQ® Repel non-Fluorinated Durable Water

Summary: High IQ® Repel is a range of industry leading non-Fluorinated Sustainable Durable Water... complies with most regional and country legislations such as EU REACH and US TSCA... with voluntary schemes such the requirements of bluesign®, the Zero Discharge Roadmap (ZDHC) and the Restricted Substances Lists of the world's most ex... to being suitable for OEKO-TEX® Standard 100.

Description: HIGH IQ® Repel brand assurance scheme to help mills, h... friendly apparel with rain and stain protection. To... program is built on a comprehensive range of... safe and the most credible alternative to...

OrganoWood; Environmentally friendly wood & woodprotection

Summary: OrganoWood is perfect for public Environments as well as private properties. Kindergardens, schools, parks, housing and much more. Protected Wood for cladding, decking, fencing etc. * Silver-gray finish * Durable * Minimum maintenance * Free from harmful Chemicals * Environmentally Friendly

Description: OrganoWood offers the next generation of environmentally friendly wood protection to fire and fungal attacks. Through its proprietary technology which mimics the natural fossilization process, the wood is modified by the attachment of protective silicon compounds to the wood fibers. The company supplies both ready-to-use OrganoWood®-modified wood and liquid products for own application. Wood free from both biocides and heavy metals which neither burn nor rot is now possible with OrganoWood®.

Practical implementation: Västerås beachparadise becomes more beautiful with age From Västerås city is a short walk to Lögstrand, who received a face lift in summer 2014. Today we see how the wooden deck, built in 2014 has been mineralized and become beautiful silvery gray. The bridges were built with decking of the environmentally friendly timber OrganoWood®. - One aspect to choosing the usual impregnated wood is that we are obliged to send grated timber disposal. This means a cost to both your wallet and the environment, says Frida. The timber is partially fossilized off makes it a little harder, but it does not affect the actual construction. This is like sawing and nail or screw in wood which time, says Frida North Lundh, architect of the city of Västerås who was with the choice of solution. <http://organowood.com/en/referensobjekt/logarangen>

Documents: HOFER.pdf
OW_broschyr_100x210mm_02_2016.pdf

Company name: OrganoWood
Contact name: Jens Hamlin
Contact Email: jens.hamlin@organowood.com

Alternative type: Alternative material
Technical Function: Impregnation agent
Sector of Use: SU6a - Manufacture of wood and wood products, SU18 - Manufacture of furniture, SU19 - Building and construction work
Material Article Category: AC11 - Wood articles

ceder cladding, hard wood, tropical Wood, fossilbased Products for

chemsec
INTERNATIONAL CHEMICAL SECRETARIAT

THANK YOU!

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