



cads

DEFINED STANDARDS
FOR SHOE PRODUCTION



Agenda

- Who is cads?
- Partnership for Sustainable Textiles
- NGO activities
- Objectives
- Working groups
- Organization

Who we are?



C ooperation for

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S tandards

for shoe- and leather goods production

Who we are?



Our purpose:

- to secure the quality of footwear and leather goods
- to distinguish footwear and leather goods whose quality is secured with a quality label
- engage in public relations work for the manufacture and marketing of sustainable, non-toxic, environmentally compatible shoes, shoe materials and leather goods with social responsibility

Who we are?

- 2007: Founded in under the umbrella of the German Shoe Institute with a focus on harmful substances
- 2018: Focus on the comprehensive topic of sustainability with such important aspects as the environment and social standards
- More then 80 members, 13 new members in 2017
- Regular members: footwear producer and shoe retailer
- Chemical producer, Material supplier and Testing Institutes

The Partnership for Sustainable Textiles



- multi-stakeholder initiative with about 150 members from the fields of economy, politics and the civil society (NGO's)
- striving to improve the conditions in the global textile production
- from the production of raw goods for textile production to the disposal of textiles, **but doesn't cover footwear**



The Partnership for Sustainable Textiles



- initiated by the German Federal Minister for Economic Cooperation and Development, Dr. Gerd Müller
- members of the Textiles Partnership already cover more than half of the German textile market and expect to cover 75 percent until 2018



NGO's activities

- The increase in the number of consumer issues dealt with in the media has also led to a growing importance of NGO's and consumer protection organizations – and vice versa
- NGO's often deal with issues that are then taken up by the media
- Or a newspaper publishes a report on an issue that is then taken up by television - and vice versa
- We will see more of these critical issues and reports, so NGO's will have more influence and significance (receive public funds)

NGO's activities



- “Change your Shoes”: international and for a long term
- “Stop Child Labor”: in the Netherlands with a lot of PR work
- “Danwatch”: reports on the conditions in the leather industry
- “Transparentem”: in the US also scrutinizes the leather industry



Objectives (1)

The generation and dissemination of knowledge for manufacturing and marketing shoes and shoe materials without hazardous substances as well as for environmentally compatible production.

Specifically these are:

- Pool and forward knowledge about hazardous substances as well as current and future statutory regulations
- Develop prevention strategies and actively implement consumer protection
- Run a public awareness campaign
- Prepare and publish studies about hazardous substances

Objectives (2)

Continue...

- Commission scientific research for analyzing the potential hazards of substances used in shoes
- Develop replacement substances and processes or commission their development
- Promote theses and dissertations that deal with hazardous substances in shoes and their prevention
- Implement measures suitable for manufacturing and marketing environmentally compatible shoes without hazardous substances

Working Groups

- To structure and purposefully address the complex tasks of cads, work groups geared to different subjects were formed so cads members can contribute their centers of interest and actively take part in them
- cads creates and publishes documents that are developed in the cads work groups
- The following working groups are involved in these topics:

1: Safe handling of process chemicals

- Solvents as process chemicals are used, among others, in the manufacturing of shoes and shoe materials but they can leave residues in the material or product
- The objective of the work group is the development and provision of suitable methods and training documentation to facilitate the safe handling of such process chemicals in the supply chain
- To achieve this, the work group develops suitable testing methods and testing plans to measure solvent contents in the surrounding air and in the products

2: Chemical substances in finished products and raw materials

- cads supports restricting or avoiding unwanted chemical substances in shoes and shoe materials
- the working group meets regularly to discuss current legal regulations and verify whether new SVHC (substances of very high concern) are being used in the supply chain

2: Chemical substances in finished products and raw materials

- The joint directory of chemical substances (RSL) is also regularly updated once a year, based on the minimum voluntary requirements suggested by the work group
- cads members have committed themselves to implement the requirements in the supply chain through suitable measures and to monitor compliance through regular testing

List of Restricted Substances in Shoes

documents as our RSL are freely accessible to allow testing according to cads specifications also for suppliers of our members, testing institutes and non-members



3: Testing procedures and standardization

- provision of suitable methods to ensure compliance with the minimum requirements
- develop suitable testing methods and also participate in the international standardization committees of these testing methods
- the test results of chemical analyses depend on different factors such as the solvent used for the extraction, the duration of the extraction, and the temperature for example

3: Testing procedures and standardization

- high concentrations of chemical substances can differ when they are dissolved out of the analyzed materials
- a harmonization of the test methods is important and a main task of this working group
- To test and ensure quality, the participating testing institutes perform round robin tests on a regular basis
- If there is no standardized method available, cads provides the participating testing institutes a detailed description of a harmonized method

List of test methods

Parameter	Material:	Method:	Annotation:
Preperation of test samples	leather, coated leather	EN ISO 4044:2017	Sample preperation is performed according to Chapter 6.3 Cutting. The samples are cut into smal pieces with a edge lenth of 3 mm- 5 mm. To avoid deviations in results, instead of grinding, raw materials are cut, too.
Forbidden aromatic amines	natural textiles, materials from cellulose	EN ISO 14362-1:2017 + EN ISO 14362-3:2017	Two analysis have to be performed for blended fabrics and material mixtures of unknown composition. One test with direct reduction and one test with extraction of the fabric followed by reduction.
	synthetic textiles	EN ISO 14362-1:2017 + EN ISO 14362-3:2017	
	blended fabric (mixture of natural and synthetic fibres)	EN ISO 14362-1:2017 + EN ISO 14362-3:2017	
	leather, leather fibre, coated leather	ISO 17234-1:2015 + ISO 17234-2:2011	-
Biozides			
Dimethylfumarat	all materials	CEN ISO/TS 16186:2012; DIN SPEC 53280:2012	-
2-(Thiocyanomethylthio)-benzothiazole	leather, leather fibre, coated leather	ISO 13365:2011	-
4-Chloro-3-methylphenol			
2-Octylisothiazol-3(2H)-one			
2-Phenylphenol			
2-Phenylphenol	textiles, materials from cellulose	According to ISO 13365:2011 or CADS-KOH-method (1)	ISO 13365:2011 is a leather standard. Each laboratory has to check the suitability of the method for textiles.
Triclosan	leather, leather fibre, coated leather, textiles, materials from cellulose	According to ISO 13365:2011 or CADS-KOH-method (1)	Triclosan is not part of ISO 13365:2011. Each laboratory has to check the suitability of the method for the materials listed.
Chlorinated phenols	leather, leather fibre, coated leather, textiles, materials from cellulose, foams	ISO 17070:2015 or CADS-KOH-method (1)	Description of the harmonized method is published in a seperate document

4: Leather

- This working group deals with preventing the unwanted formation of chromium VI in leather and leather goods
- To accomplish this, cads published a guide for leather manufacturers for the first time in 2015
- This guide constitutes the basis for conducting the corresponding training sessions for employees of the leather sector
- The experts also provide advice about new insights about chromium VI prevention and work on the toxicological evaluation of chromium VI in leather

Guideline for tanneries

The Guideline for tanneries

Recommendations to avoid the formation
of chromium VI in leather

2. Version (2018)

6 languages:

German, English, Italian, Spanish,
Chinese and Turkish

Price per book: 20 €



5: Wet processes in textile and coating

- deals with the manufacturing of textiles coated with consumer- and environmental-friendly polyurethane produced in compliance with current occupational safety and environmental protection regulations
- In particular, but not exclusively, the content of the solvents used in the materials and products should be reduced

5: Wet processes in textile and coating

- the working group creates the corresponding training documentation and a testing and certification system
- cads members can monitor the production facilities of these materials according to a uniform standard

6: Safe handling and use of biocide agents



- The European Regulation on Biocide Products governs the market placement and use of biocide active ingredients that, owing to their activity, are used to protect human beings, animals, materials or products from harmful organisms such as pests or bacteria
- For this, the work group prepares a usage guideline that considers the active ingredients already authorized in the EU

cads managing board



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cads board



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