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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 29292-2024

Replacing GB/T 29292-2012

**Footwear - Guidelines for the management and control of key
chemicals in footwear and footwear components**

鞋类 鞋类和鞋类部件中重点化学物质管控指南

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document replaces GB/T 29292-2012 "Limited substances in footwear, footwear and footwear components" and GB/T 29292- Compared with.2012, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) The categories of restricted substances have been changed (see Chapter 4, Chapter 3 of the.2012 edition);
- b) Changed acrylonitrile, heavy metals, hexavalent chromium, rosin, dimethylformamide (DMFo), disperse dyes, formaldehyde, mercaptobenzothiazole, N-ethylaniline, nitrosamines, alkylphenols and alkylphenol polyoxyethylene ethers, organotin, o-phenylphenol, fungicide (TCMTB), polyol PAH, chlorinated phenols, pesticides, perfluorinated compounds, pH, phthalates, p-phenylenediamine (PPD), tert-butyl List of restricted substances for phenol formaldehyde (PTBF), chlorinated paraffins, thiamethoxam and thiocarbamates, chlorobenzene and chlorotoluene (see Chapter 5 of the.2012 edition, Chapter 3 of the.2012 edition);
- c) Added lead, fungicides (OIT, PCMC), triclosan, benzene, bisphenol, N-methylpyrrolidone, N,N-dimethylacetamide (DMAC), phenol, phenylmercury, quinoline, volatile organic compounds (VOC) limited substances list (see Chapter 5);
- d) Deleted the list of extractable latex protein, chloroprene rubber or chloroprene (diene) rubber, and vinyl chloride monomer restricted substances (see.2012 3 of the.2011 edition). Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed by China Light Industry Federation. This document is under the jurisdiction of the National Technical Committee for Standardization of Footwear (SAC/TC305). This document was drafted by: Guangdong Academy of Sciences Certification Co., Ltd., Sichuan University, China Leather and Shoe Research Institute Co.,

Ltd., China Light Industry Inspection Certification Co., Ltd., China Light Industry Inspection and Certification (Wenling) Co., Ltd., and Maotai (Fujian) New Material Technology Co., Ltd. The main drafters of this document are. Hu Yongjie, Lin Wei, Xu Zixuan, Wang Chunhua, Jin Lijie, Liao Yibin, Yang Yang, Zhang Xiaomei and Shao Lijun. The previous versions of this document and the documents it replaces are as follows:

---First published in.2012 as GB/T 29292-2012;

---This is the first revision. Footwear. Chemical substances of concern in footwear and footwear components Control Guide

1 Scope

GB/T 29292-2024 is the Chinese guide to managing and controlling the chemicals of concern in footwear and footwear components. China makes most of the world's shoes, and a shoe is a chemically complicated object: leather that has been tanned and dyed, textiles with finishes, rubber and polyurethane with plasticisers and blowing agents, adhesives with solvents, and metal fittings with coatings, each contributing a different restricted substance. The guide covers the identification of the key chemicals across those materials, restricted azo dyes and aromatic amines, formaldehyde, chromium VI, phthalates, organotin compounds, dimethyl fumarate, PFAS, heavy metals and residual solvents, the management system for controlling them through the supply chain, the requirements on suppliers and on incoming material, the sampling and testing strategy, the risk assessment and the corrective action, and the documentation and traceability that make a declaration defensible. The 2024 edition replaces GB/T 29292-2012. For a footwear brand, a factory or a compliance team sourcing from China, this is the framework the control is built on.

1. These substances are widely restricted in laws, regulations and standards in many countries or regions.

---Limited substance category

2. Substances that may be harmful to users. Note

2. These substances are restricted by laws, regulations and standards in a limited number of countries or regions.

---Limited substance category

3. Substances that are highly suspected of being harmful to users. NOTE

3 These substances may not be restricted by regulation but are often restricted by market stakeholders.

---Limited substances category

4. Substances suspected of being harmful to users.

2 Normative references

This document has no normative references.

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Allergen Substances that can induce an allergic reaction.

3.2 Allergic reaction An immune response to specific substances (allergens).

Note. IgE antibodies produce type 1 allergies, which may cause asthma, rhinitis, and urticaria. T cells produce type 4 allergies, which may cause dermatitis.

3.3 Critical substances Certain chemicals present in footwear products or components have been shown or may be harmful to the health of users and/or the environment. harmful effects on the environment. Note

1.Limited substances produce various effects, such as carcinogenicity, inducing mutation, allergy, toxicity, etc. Note

2.This document gives the information available at the time of publication. However, as regulations may change, users of this document are responsible for checking for updates.

4 Types of restricted substances

Restricted substances are divided into the following four categories based on the proven degree of harm they may cause to users.

---Limited substance category