

ICS 13.340.10
CCS C73



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

GB 13641-2025

Replacing GB/T 13641-2006

**General technical conditions of skin-protective agent for
workers**

劳动护肤剂通用技术条件

Issued on: August 29, 2025

Implemented on: September 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1. Structure and Drafting Rules of Standardization Documents". Drafting. This document replaces GB/T 13641-2006 "General Technical Requirements for Labor Protection Agents". Compared with GB/T 13641-2006, except for the structure... Aside from gender adjustments and editorial changes, the main technical changes are as follows:

---Change other-purpose skin care products to film-type skin care products [see Chapter 4f, Chapter 4f of the.2006 edition];

---The requirements for the use of ingredients in labor-related skin care products have been changed (see 5.1,.2006 version 5.1);

---Change *Pseudomonas aeruginosa* and fecal coliforms to *Pseudomonas aeruginosa* and thermotolerant coliforms (see 5.2,.2006 edition

5.2 and.2006 edition 5.2). Table 1);

---The residue limits for lead and arsenic in the product have been changed (see 5.3, 5.3 in the.2006 edition), and indicators for cadmium, diane, and asbestos have been added (see...). 5.3);

---The provisions for waterproof, oil-resistant, and other types of skin care products have been removed (see

5.5.1 in the.2006 edition);

---The sun protection factor (SPF) has been changed (see 5.5.1,

5.5.2 in the.2006 version);

---The effective protection period has been changed (see 5.5.3, version

5.5.4 from.2006);

1 Scope

GB 13641 covers the barrier creams and cleansers issued to workers whose hands are exposed to oils, solvents, acids, alkalis or dust - the protective skin products that sit alongside gloves in an occupational health programme. It sets the classification, the technical requirements, the test methods, and the rules for inspection, marking, packaging, transport and storage, and it is the document a manufacturer must satisfy to sell such a product in China. The change that matters in this edition is its status: the previous text was GB/T 13641-2006, recommended, while the 2025 edition is a GB without the /T, so compliance is now mandatory. Issued on 29 August 2025, in force since 1 September 2026. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the edition it replaces are taken from there. The clause text, the tables and the numeric limits are not reproduced on this page - they are in the document itself, which is delivered in full in English translation.

This document specifies the classification, technical requirements, labeling, packaging, storage, and shelf life of labor-related skin care products, and describes the corresponding test methods. This document applies to occupational skin care products used in the workplace.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 443 L-AN Total Loss System Oil

GB 5296.3 General Labeling for Cosmetics - Instructions for Use of Consumer Products

GB/T 12903 Terminology for Personal Protective Equipment

GB/T 13531.1 General Test Methods for Cosmetics - Determination of pH Value

GB/T 13917.9 Indoor efficacy testing and evaluation of pesticides for registration as sanitary insecticides - Part

3 Terms and Definitions

The terms and definitions defined in GB/T 12903 apply to this document.

4. Classification Labor-related skin care products are divided into six types.

- a) Waterproof skin care products;
- b) Oil-resistant skin care products;
- c) Sunscreen skincare products;
- d) Cleansing skincare products;
- e) Repellent skin care products;
- f) Film-type skin care agents.

5 Technical Requirements

5.1 Raw Materials The raw materials used in skin care products should comply with the requirements of the "Cosmetic Safety Technical Specifications".

5.2 Microbiological Indicator Requirements The microbiological indicators of labor-related skin care products should comply with the provisions of Table 1. Table

1. Microbiological limits for skin care products. Limits for microbiological testing items Total bacterial count (CFU/g or CFU/mL) ≤ 1000 Total mold and yeast count (CFU/g or CFU/mL) ≤ 100 Thermoresistant coliforms/g (or mL) should not be detected. Staphylococcus aureus/g (or mL) should not be detected. Pseudomonas aeruginosa should not be detected at a concentration of 1 g (or mL). aCFU stands for colony-forming unit.

5.3 Limits for Hazardous Substances The limits for harmful substances in skin care products should comply with the provisions of Table 2. Table

2 Limits of Hazardous Substances in Labor Skin Care Products Hazardous substance limits (mg/kg) Mercury

5.5 Protective performance

5.5.1 Sunscreen skincare products with a sun protection factor (SPF) of not less than 20.

5.5.2 For cleansing skin care products, the cleaning time should be less than 120 seconds.

5.5.3 Repellent skin care products should provide effective protection for no less than

9 Repellents

GB/T 15670.6 Toxicological Test Methods for Pesticide Registration - Part

6.Acute Inhalation Toxicity Test NB/SH/T 0039 Industrial Vaseline SH/T 0391 701 Rust Inhibitor (Oil-soluble Barium Petroleum Sulfonate) Cosmetic Safety Technical Specifications (China Food and Drug Administration)

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