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

GB/T 13641-2006

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

(English Translation)

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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, diene, and asbestos have been added (see...).

- 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);
- The provisions related to flash point have been removed (see 5.6.3 in the 2006 version);
- The provisions concerning the content and deviation of effective components have been deleted (see section 5.6.4 of the 2006 edition);
- The requirement for packaging appearance has been removed (see 5.7 in the 2006 edition);
- The toxicological testing for new raw materials has been removed (see 6.1 in the 2006 edition);
- The detection methods for microbiological indicators have been changed (see 6.1, 6.2 in the 2006 edition);
- The testing methods for hazardous substance limits have been changed (see 6.2, 6.3 in the 2006 edition);
- Changes have been made to the following tests. acute oral toxicity test, acute dermal toxicity test, acute skin irritation test, repeated skin irritation test, and skin...
Detection methods for skin allergy tests and skin phototoxicity tests (see 6.3.1, 6.4.1 of the 2006 edition);
- The method for acute inhalation toxicity testing has been changed (see 6.3.2, 6.4.2 in the 2006 version);
- The detection method for human skin patch testing has been changed (see 6.3.3, 6.4.3 in the 2006 version);
- The evaluation of protective effectiveness has been removed (see 6.5.1 in the 2006 version);
- The method for testing the Sun Protection Factor (SPF) has been changed (see 6.4.1, 6.5.2 in the 2006 version);
- The method for detecting the effective protection time has been changed (see 6.4.3, 6.5.4 in the 2006 version);
- The method for pH measurement has been changed (see 6.5.1, 6.6.1 in the 2006 version);
- The flash point detection method has been removed (see 6.6.3 in the 2006 version);
- The packaging appearance inspection method has been removed (see 6.7 of the 2006

version);

---The verification rule has been removed (see Chapter 7 of the 2006 edition);

---The sales packaging labeling has been changed (see Chapter 7, 8.1 of the 2006 edition);

---The middle box and large box have been removed (see 8.2 in the 2006 edition);

---Transportation has been removed (see 9.2 in the 2006 edition).

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the Ministry of Emergency Management of the People's Republic of China.

The release history of this document and the document it replaces is as follows.

---First published in 1992 as GB/T 13641-1992, and revised for the first time in 2006;

---This is the second revision.

General Technical Requirements for Labor Skin Care Products

1 Scope

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 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)

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.

5.1 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 1 Lead 10 Arsenic 2 Cadmium 5 Methanol