

ICS 71.100.30

CCS G89



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

GB 44504-2024

**Risk classification and service life of special production
equipment for civil explosive materials**

民用爆炸物品专用生产设备危险类别及使用年限

Issued on: August 23, 2024

Implemented on: December 1, 2024

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

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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 is required. Please note that some of the contents of this document may involve patents, and the issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the Ministry of Industry and Information Technology of the People's Republic of China. Special production equipment for civilian explosives Hazard category and service life

1 Scope

GB 44504-2024 is the Chinese national standard on risk classification and service life of special production equipment for civil explosive materials, in the field of chemical technology. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 23 August 2024 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 December 2024. Classification: ICS 71.100.30, CCS G89. 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 issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the hazard categories, service life and management requirements of special equipment used in the production of civilian explosives. This document applies to the management of special production equipment for civilian explosives.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 14659 Terminology of civil blasting equipment

3 Terms and definitions

The terms and definitions defined in GB/T 14659 and the following apply to this document.

3.1 special production equipment for civil explosive materials The main production equipment is directly used for the production of civilian explosives and is prone to combustion and explosion accidents.

4 Hazard categories and service life

4.1 Civilian explosives production equipment can be divided into Class 0, Class I and Class II according to the danger of the place of use and the probability of accidents. and Class III. Their corresponding service life and hazard characteristics shall comply with the requirements of Table 1. Table

1 Service life and hazard characteristics of special production equipment Hazard Category Category

0 Category I Category II Category III Use period/year No restrictions Dangerous features Equipment that can easily cause combustion or explosion accidents in products in process Equipment that may cause combustion or explosion in products in process Equipment that rarely causes combustion or explosion accidents in products Rarely causes combustion or explosion accidents in products, or equipment that isolates people from machines in explosion-proof rooms

4.2 The hazard categories and service life of special production equipment for civil explosives shall be implemented in accordance with Appendix A.

4.3 The service life shall commence from the date the equipment is put into use.

5 Management requirements

5.1 Class 0, Class I and Class II civilian explosives production equipment shall be scrapped if any of the following conditions apply.