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

GB 30871-2022

Replacing GB 30871-2014

**Safety specifications of special work in hazardous chemicals
enterprises**

危险化学品企业特殊作业安全规范

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Table of Contents

- 1 Scope
- 2 Normative references
- 2.1 Occupational Exposure Limits for Hazardous Agents in the Workplace Part
- 3 Portable Combustible Gas Detectors for Industrial and Commercial Use

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 of Standardization Documents" drafted. This document replaces GB 30871-2014 "Special Operation Safety Regulations for Chemical Production Units". Compared with GB 30871-2014, except for the In addition to structural adjustments and editorial changes, the main technical changes are as follows:

- Changed the scope of application, from "This standard is applicable to hot work and confined space work involved in equipment maintenance of chemical production units. industry, blind slab extraction and blocking operations, high-altitude operations, hoisting operations, temporary electricity use operations, ground breaking operations, and circuit breaking operations" was adjusted to "This document is suitable for For hazardous chemical production, operation (with storage) enterprises, chemical and pharmaceutical enterprises (hereinafter referred to as "hazardous chemical enterprises")" (see Chapter 1, Chapter 1 of the.2014 edition);
- Change "flammable and explosive places" to "fire and explosion hazardous places" (see 3.2, 3.3 of the.2014 edition);
- Changed the category of hot work, and included the use of sandblasting machines in the fire-prohibited area into the definition of hot work (see 3.4,.2014). version 3.2);
- Delete the terms and definitions of "work at heights with different temperatures" and "work at heights with electricity" (see 3.11 of the.2014 edition);
- Added the content of safety disclosure before operation (see 4.4);
- Added the responsibilities of the guardian, and stipulated that the guardian should be trained, assessed and certified to work (see 4.10);

- Added the terms and definitions and management requirements of "fixed hot area" (see
- Strengthen the management of safety work tickets, and upgrade some recommended requirements in the appendix to mandatory clauses (see 4.15, 4.16, 4.17);
- Changed the name of hot work classification, and revised the hot work classification from "special, first-class, second-class" to "special class, first-class, second-class", And put forward the requirements that night hot work should also be upgraded management (see 5.1.1, 5.1.1 of the 2014 edition);

1 Scope

GB 30871-2022 is the Chinese national standard on safety specifications of special work in hazardous chemicals enterprises, in the field of environment and health protection, safety. 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 15 March 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 October 2022. Classification: ICS 13.100, CCS C65. 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.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB 2894 Safety Signs and Guidelines for their Use

GB/T 3608 Classification of work at heights

GB/T 5082 Crane Hand Signal

GB 6095 Fall Protection Seat Belts

GB 15322.3 Combustible Gas Detectors Part

GB 50194 Safety Code for Electricity Supply and Use at Construction Sites of Construction Projects

GB/T 50493-2019 Petrochemical flammable and toxic gas detection and alarm design

standards

GB 51210 Unified Standard for Safety Technology of Building Construction Scaffolding
DL409 Electrical Safety Work Regulations (Power Line Part) GBZ

2.1 Occupational Exposure Limits for Hazardous Agents in the Workplace Part

1. Chemical Hazardous Agents GBZ /T 260 Guidelines for the definition of occupational contraindications

HG/T 21547 Steel inserts, gaskets, and 8-character blind plates for pipelines

JB/T 2772 Valve parts high pressure blind plate

3 Portable Combustible Gas Detectors for Industrial and Commercial Use

GB 15577 Dust explosion-proof safety regulations

GB/T 18664 Selection, use and maintenance of respiratory protective equipment

GB 24543 fall protection safety rope

GB 30077 Requirements for the provision of emergency rescue materials for hazardous chemical units

GB 39800.1 Specification for Personal Protective Equipment Part