

ICS 13.100
CCS H09



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

GB 30039-2013

Safety specification for tungsten carbide powder producing
碳化钨粉安全生产规程

Issued on: December 17, 2013

Implemented on: November 1, 2014

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

The standard Chapter 4, Chapter 5, Chapter 6, Chapter 7, the content is mandatory, the rest are recommended. This standard was drafted in accordance with GB/T 1.1-2009 given rules. This standard by the national non-ferrous metals Standardization Technical Committee (SAC/TC243) centralized. This standard was drafted. Xiamen Golden Egret Special Alloy Co., Ltd., Shenzhen High-tech Co., Ltd. Grammy. Drafters of this standard. Wu Chong Hu, Wu climax, full Shou, Xie Yifeng, Fanzhi Rui, high-concept gold, Zou Jianping, pear Yan, Wei Yu Kun, Liu Yongliang, Yan Ping. Tungsten carbide powder safety procedures

1 Scope

GB 30039-2013 is the Chinese national standard on safety specification for tungsten carbide powder producing, 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 17 December 2013 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2014. Classification: ICS 13.100, CCS H09. 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.

2.1 Workplace Hazardous Occupational Exposure Limits - Part 1. Chemical hazardous agents GB Z

2.2 Workplace Hazardous Occupational Exposure Limits - Part 2. physical factors AQ8001 Safety Assessment Principles AQ/T 9002 production units of production safety accident emergency response plan guidelines GA95 fire extinguisher maintenance and scrapping procedures JB9009 wire rope hoist safety rules JGJ80 high construction work safety technical specifications

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB 3095 Ambient Air Quality Standard

GB 3096 acoustic environment quality standards

GB/T 3608 high job rating

GB 4962 use of hydrogen safety technology

GB/T 11651 Personal protective equipment selection specification

GB/T 12801 General requirements for the production process safety and health Classification and code of

GB/T 13861 production process hazardous and harmful factors

GB/T 13869 Electrical Safety Guidelines

GB 15630 fire safety signs

GB 18218 hazardous chemicals major hazard identification

GB/T 28001 Occupational Health and Safety Management System Requirements

GB/T 28002 Occupational Health and Safety Management System Implementation Guide

GB 50011 Seismic Design of Buildings

3 Terms and Definitions

GB/T 28001, AQ/T 9002 defined by the following terms and definitions apply to this document. For convenience, the following repeating lists GB/T 28001, AQ/T 9002 of certain terms and definitions.

3.1 Security safety Eliminating the state unacceptable risk of harm. [GB/T 28001-2001, the definition 3.16]

3.2 Accident accident Causes death, disease, injury, damage or other unexpected losses. [GB/T 28001-2001, Definition 3.1]

3.3 Hazard hazard It may lead to injury or illness, property damage, environmental damage working conditions or a combination of these root causes or state. [GB/T 28001-2001, the definition 3.4]

3.4 Hazard Identification hazardidentification The presence of hazard identification and to determine the course of its properties. [GB/T 28001-2001, the definition 3.5]

3.5 Contingency plans emergencyresponseplan For accidents that may occur, for the rapid and orderly conduct contingency operations in advance of the NAPs. [AQ/T 9002-2006, Definition 2.1]

4 General Provisions

4.1 Plant Construction New construction, renovation, expansion of production and construction projects shall comply with the relevant national approval system. Projects should be consistent with GB 3095, GB 3096, GB 15630, GB 50011, GB 50016, GB 50019, GB 50029, GB 50033, GB 50034, GB 50052, GB 50053, GB 50057, GB 50187, GB 50191, GB/T 12801, GB Z1 and other standards.

4.2 Production equipment and measuring instruments Tungsten carbide powder production equipment manufacturing enterprises should be ensured in the case can be put into good use. Equipment required for maintenance related note Record should be timely and complete. Measuring instruments relevant records shall be complete, as required timely submission. Site instrument calibration should be identified to prevent misuse. Insurance Permit effective management of measuring instruments, to meet the requirements.

4.3 hazard identification, evaluation, control Enterprises should be in accordance with GB/T 13861, the relevant provisions of GB 18218, GB/T 28001, GB/T 28002 and AQ8001 field of work Hazards and occupational hazards carried out to identify, assess, identify risk factors, hazard type, degree of risk, to develop control measures. Response heavy To make a significant hazard identification. It should also be of major hazards registration filing, and regular testing, assessment, monitoring.

4.4 safety education Employees should conduct regular safety training and education. New employees receive "three safety education" should be in the factory, the popularity of tungsten carbide powder safe Knowledge and safety procedures. Special operations personnel and security managers shall be subject to special security training and education, special operations personnel should be certified Posts.

4.5 security check and evaluation Enterprises should be combined with the production of

tungsten carbide powder characteristics, the development of the enterprise security check implementation details. Details enterprises should require periodic intake Line safety inspection and evaluation, and make the appropriate records.

4.6 corrective and preventive security Enterprises should establish a safety accident investigation and handling procedures, investigate all accidents and negligence, track record and rectification, and effective redress Prevent similar accidents from happening again.

4.7 Occupational health examination Enterprises should according to "People's Republic of China Occupational Disease Prevention Law," "Occupational health examination regulations" for engaging in hazardous or health Health workers have special requirements for regular health checks.

5 Basic requirements

5.1 Labor Protection Tungsten carbide powder production should be GB/T 11651 for the workers with labor protection products, and educate employees on proper use. Production staff Shall GB/T 11651 regulations concerning the use of labor protection products, persons not wearing protective equipment prohibited near the work area.

5.2 Dust The relevant provisions of tungsten carbide powder production workshop dust concentrations should be consistent with GB Z2.1, and tungsten carbide powder production enterprises should strengthen dust, dust, pre Dust lung damage. Staff positions in the dust when operating, should advance Wear a dust mask.

5.3 Noise Tungsten carbide production enterprises noise emissions should comply with the relevant provisions of GB Z2.2. The fan, ball mill, large-scale mixing and blower noise Large equipment should take noise, noise, or other measures to improve the structure. In noisy shop floor operations, employees should wear appropriate protective earplugs.

5.4 High Temperature Tungsten powder production ambient temperature should be consistent with the relevant provisions of GB Z2.2.

5.5 Lighting Tungsten carbide powder producers workshop lighting should conform GB 50033, GB 50034 requirements, inadequate natural illumination lighting applications supplement.

5.6 high operating In accordance with the provisions of GB/T 3608, when the tungsten carbide powder production staff has more than 2m high fall risk job, should be consistent JGJ80 the relevant provisions.

5.7 fire operations In addition to the workshop when the process should not be used outside the fire with fire, if they really need to fire operations, subject to the professionals to detect hydrogen in air containing Amount detection qualified to confirm the safety and only after issuing a job, to be monitored by hand, after the job is completed to the scene during