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

GB/T 13910-2008

Replacing GB/T 13910-1992

**The technical rules for dust control of quartz sand (powder)
plant and talc powder plant**

石英砂（粉）厂、滑石粉厂防尘技术规程

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Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard replaces GB/T 17270-1998 "quartz sand (powder) plant dust Technical Specification" and GB/T 13910-1992 "Talc Processing Code of dust. " This standard and GB/T 17270-1998, GB/T 13910-1992 main changes are as follows:

- The main structure in accordance with quartz sand (powder) and talc production process layout, ease of use and the corresponding provisions of the lookup;
- Increased General;
- An increase dedusting equipment cinder, ash-related provisions;
- Increasing the relevant provisions of the dedusting equipment maintenance;
- Increasing the relevant provisions of the personal protection;
- Increased dust management in the relevant provisions of education and training. The Standard Appendix A, Appendix B is an informative annex. This standard was proposed by the State Administration of Work Safety. This standard produced by the National Standardization Technical Committee on Security. This standard was drafted. Beijing Institute of Labour Protection, Capital University of Economics, Beijing Science and Technology Development Co., as insurance liability Any company. The main drafters of this standard. Qi Jinyan, Wang Yongyi, Han Guojun, Guowen Hong Sang Liang, Zhao Rong, Sun Chenggang, Jiang Kun, Yang Yawen, Guo Jianzhong, Li Shuang. This standard replaces the standards previously issued as follows:
- GB/T 13910-1992;
- GB/T 17270-1998. Quartz sand (powder) plant, talc plant dust Technical Specification

1 Scope

GB/T 13910-2008 is the Chinese national standard on the technical rules for dust control of quartz sand (powder) plant and talc powder plant, in the field of environment and health protection, safety. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification

calls it up - which in practice is how most foreign buyers meet it. It was issued on 23 December 2008 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 December 2009. Classification: ICS 13.100, CCS C70. 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 standard specifies the quartz sand (powder) plant, the basic requirements of talc plant dust and comprehensive dust control measures. This standard applies to quartz sand (powder) plant, anti-talc plant of new construction, renovation, expansion projects and technological innovation, technology transfer projects Dust design, management and supervision. Existing quartz sand (powder) plant, talc plant shall also comply with this standard.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 5748 Workplace air dust measurement method

GB/T 11651 labor protective equipment selection rules

GB 16297 Air Pollutant Emission Standards

GB/T 18664 respirator selection, use and maintenance

GB 50187 for General graphic design specification

GB 50243 Construction Quality Acceptance of Ventilation and Air Conditioning Engineering
Production Safety Law of People's Republic of China People's Republic of China
Occupational Disease Prevention Law

3 General

3.1 In order to implement the "People's Republic of China Production Safety Law" and "People's Republic of China Occupational Disease Prevention Law" to ensure quartz sand (powder) Plant, design talc plant construction projects meet the safety and occupational health requirements, effective control of quartz sand (powder) plant, talc plant produced Dust pollution hazard processes, improve workplace environmental conditions to protect the health of workers, promote the development of production standard is formulated.

3.2 quartz sand (powder) plant, talc plant dust should first take measures from the technology and equipment used to produce no less dust pollution Technology and equipment.

3.3 quartz sand (powder) plant, producing talc plant dust all jobs should reach the point of dust concentration limits specified in Table 1 requirements. Table

1 Workplace allowable concentration of dust in the air No. dust category Time weighted average allowable Concentration/(mg/m³) Short (15min) allow the contact Concentration/(mg/m³) Total dust Total dust respirable dust respirable dust 1 talc dust (free SiO₂ content of < 10%) 31 7.5

2.5 Silica dust 10% ≤ free SiO₂ content ≤ 50% 50% ≤ free SiO₂ content ≤ 80% Free SiO₂ content of > 80% 0.7 0.5 0.7 0.3 0.2 2.5 2.1 1.5 2.1 0.9 0.6

3.4 Where the presence of dust pollution in the production process and equipment dust control measures must be taken, where the dust concentration of gas to the outside row must meet GB 16297 or local emission standards.