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

GB 11666.2-2012

Replacing GB 11664-1989; GB 11665-1989

**Health protection zone for fertilizer industry -- Part 2:
Phosphate fertilizer industry**

肥料制造业卫生防护距离 第2部分：磷肥制造业

(English Translation)

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Foreword

GB 11666 "fertilizer manufacturing Health protection" is divided into four parts.

- Part 1. nitrogen fertilizer manufacturing;
- Part 2. phosphate fertilizer manufacturing;
- Part 3. potash industry;
- Part 4. fertilizer manufacturing.

This section GB Part of 211,666.

This section 4.2 to 4.4 are recommended, the rest are mandatory.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This Part replaces GB 11664-1989 "calcium and magnesium phosphate fertilizer plants Health protection standards" and GB 11665-1989 "ordinary superphosphate Plant health protection from the standards. " Compared with GB 11664-1989, GB 11665-1989 main technical changes are as follows.

- Adjust the standard name, and according to GB/T 1.1-2009 standard structure adjustment;
- Amendments to the definition of health protection distance, increasing the sensitive area of complex terrain two terms and definitions;
- Revised the Health protection zone standard limits, increasing the scale of production sub-file;
- Increased requirements for greening.

This part of the People's Republic of China Ministry of Health and focal points.

This in part by the Chinese Center for Disease Control Environmental Health and Related Product Safety, Yichang City CDC is responsible for drafting, Dangyang CDC participated in

the drafting.

1 Scope

GB 11666 of the provisions of this part of the required health protection between manufacturers and calcium magnesium phosphate and superphosphate manufacturing companies sensitive areas distance.

This section applies to areas located in the plains of calcium magnesium phosphate and superphosphate manufacturing enterprises manufacturing enterprises new construction, renovation, expansion project. Present Have calcium magnesium phosphate and superphosphate manufacturing companies manufacturing companies may refer to.

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/T 3840-1991 development of local air pollutant emission standards of technical methods

3 Terms and Definitions

The following terms and definitions apply to this document.

Health protection healthprotectionzone Factors adversely department (workshop or workplace) to the sensitive border zone boundary minimum distance.

Sensitive area Residential areas, schools, hospitals and other air pollution sensitive areas.

Complex terrain complicatedlandform Mountains, hills, coastal.

4 Index requirements

4.1

calcium magnesium phosphate and superphosphate manufacturing sanitary protection zone standard limits are shown in Table 1 and Table 2.

Table 1 calcium magnesium phosphate fertilizer manufacturing Health protection standard limits

Production scale

Million t/a

Region the past five years the average wind speed m/s Health protection 4600

Table 1 (continued)

Production scale

Million t/a

Region the past five years the average wind speed m/s Health protection ≥ 20 4700

Table 2 superphosphate manufacturing Health protection standard limits

Production scale

Million t/a

Region the past five years the average wind speed m/s Health protection 4400 ≥ 20 4600

4.2 is located in complex terrain conditions, calcium magnesium phosphate manufacturers and superphosphate manufacturing method of determining health protection zone, in the light GB/T 3840-1991 7.6 The implementation of the provisions.

4.3

calcium magnesium phosphate and superphosphate manufacturing enterprise manufacturing enterprise and location of sensitive areas, should consider the impact of wind frequency and topography and other factors, Minimize the pollution of the sensitive areas of the atmosphere.

Enterprise 4.4 within the health protection distance range, densely planted trees plants green belt (width less than 10m), and according to health 90% protection from the standard limit of execution. Attention to the selection of species resistant characteristics of pollutants or adsorption characteristics.