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

GB 11655.1-2012

Replacing GB 11658-1989

**Health protection zone for synthetic material industry -- Part 1:
Polyvinyl chloride industry**

合成材料制造业卫生防护距离 第1部分：聚氯乙烯制造业

(English Translation)

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Foreword

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

GB 11655 "manufacturing composite materials from the Health Protection" is divided into nine sections.

- Part 1. PVC manufacturing;
- Part 2. Polyethylene Manufacturing;
- Part 3. Polypropylene Manufacturing;
- Part 4. polystyrene manufacturing;
- Part --- Article 5. ABS manufacturing;
- Part 6. chloroprene rubber manufacturing;
- Part 7. butadiene rubber manufacturing;
- Part 8. styrene-butadiene rubber manufacturing;
- Part 9. nitrile rubber manufacturing.

This section GB Part of 111,655.

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

This Part replaces GB 11658-1989 "PVC resin plant health protection zone standard" compared with GB 11658-1989 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 value, adjust 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, Shandong Province Disease Prevention and Control Center is responsible for drafting.

1 Scope

GB 11655 of the provisions of this part of the health protection distance required between PVC producers and sensitive areas.

This section applies to areas located in the plains of PVC production enterprises new construction, renovation, expansion project. Existing PVC production enterprises can Implementation.

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

China's existing PVC manufacturing calcium carbide acetylene and ethylene have two methods of production method, from the protection of their health standard limit, respectively, see Tables 1 and 2.

Table 1 ethylene PVC manufacturing Health protection standard limits

Production scale

Million t/a

Region the past five years the average wind speed m/s Health protection 4700 ≥ 30 4800

Table 2 acetylene calcium carbide process PVC manufacturing Health protection standard limits

Region the past five years the average wind speed m/s Health protection 41000

4.2

Determination located in the complex terrain of PVC production enterprises health protection distance reference GB/T 3840-1991 in 7.6 regulations.

Location 4.3 PVC production enterprises and sensitive areas, should consider the impact of factors such as wind direction and topography frequency to minimize its sensitive areas Pollution of the atmospheric environment.

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.