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

GB 18071.8-2012

**Health protection zone for basic chemistry industry -- Part 8:
Hydrofluoric acid industry**

基础化学原料制造业卫生防护距离 第8部分：氢氟酸制造业

(English Translation)

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Foreword

This section 4.2,4.3,4.4 are recommended, the rest are mandatory.

GB 18071 "basic chemical raw materials manufacturing industry from the Health Protection" is divided into eight sections.

- Part 1. caustic soda manufacturing;
- Part 2. soda ash and sodium bicarbonate manufacturing.;
- Part 3. sulfuric acid manufacturing;
- Part 4. nitric acid manufacturing;
- Part 5. Manufacturing hydrochloride;
- Part 6. Sodium sulfide manufacturing;
- Part 7. yellow phosphorus industry;
- Part 8. hydrofluoric acid manufacturing.

This is Part 8 GB 18071's.

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

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

This section is responsible for drafting units. China Center for Disease Control Environmental Health and Related Product Safety, Sichuan Provincial Disease Prevention and Control center.

Participated in the drafting of this section. Zigong City Center for Disease Control and Prevention, Zhonghao Chenguang Chemical Research Institute.

1 Scope

GB 18071 of the provisions of this part of the health protection distance required between manufacturers and hydrofluoric acid sensitive areas.

This section applies to plain areas located in hydrofluoric acid manufacturers new construction, renovation, expansion project. Existing manufacturing companies can participate hydrofluoric acid According to the Executive.

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 Air pollution sensitive areas, including residential areas, schools and hospitals.

Complex terrain complicatedlandform Mountains, hills, coastal.

4 Index requirements

4.1

hydrofluoric acid manufacturers Health protection limits in Table 1.

Table 1 hydrofluoric acid manufacturers Health protection limit

Production scale

kt/a

Location near five-year average wind speed m/s Health protection 4100

Table 1 (continued)

Production scale

kt/a

Location near five-year average wind speed m/s Health protection ≥ 20 4200 Located 4.2 hydrofluoric acid complex terrain manufacturing method of determining corporate health protection distance reference GB/T 3840-1991 in 7.6 regulations.

Location 4.3 hydrofluoric acid manufacturers and sensitive areas, should consider the impact of wind frequency and topography and other factors, minimize its large sensitive area Air pollution 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.