



# Wuhan Xinru Chemical Industry Co., Ltd

Add: Room 2805, North Fuxinhuiyu, Changqing Road, Wuhan, China 430015

Tel: +86-27-5984 3600 Fax: +86-27-6666 0488

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## Chloroporphyrin IX iron(III)(16009-13-5)

### Product Identification

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#### **【Product Name】**

Chloroporphyrin IX iron(III)

#### **【Synonyms】**

Chloroprotferriheme  
Ferrate(2-), chloro[7,12-diethenyl-3,8,13,17-tetramethyl-21H,23H-porphine-2,18-dipropanoato(4-)-N(21)-,N(22)-,N(23)-,N(24)-]-, dihydrogen, (SP-5-13)  
Ferriporphyrin IX chloride  
Protoferrheme  
Protohemin chloride  
Teichmann's crystals

#### **【CAS】 16009-13-5**

**【Formula】** C<sub>34</sub>H<sub>32</sub>ClFeN<sub>4</sub>O<sub>4</sub>

**【Molecular Weight】** 651.95

**【EINECS】** 240-140-1

**【Merck】** 12,4678

**【Beilstein/Gmelin】** 5229914

### Physical and Chemical Properties

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**【Appearance】** Dark blue powder.

**【Melting Point】** 300

#### **【Usage】**

Used to treat some forms of a hereditary condition known as acute intermittent porphyria.

### First Aid Measures

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## **【Ingestion】**

Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

## **【Inhalation】**

Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

## **【Skin】**

Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

## **【Eyes】**

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

## **Handling and Storage**

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### **【Storage】**

Store in a tightly closed container. Refrigerator (approx 4 C). Store in a cool, dry area away from incompatible substances.

### **【Handling】**

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

## **Hazards Identification**

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### **【Ingestion】**

May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

### **【Inhalation】**

May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

**【Skin】** May cause skin irritation.

**【Eyes】** May cause eye irritation.

## **Exposure Controls/Personal Protection**

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## **【Personal Protection】**

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin: Wear appropriate protective gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to prevent skin exposure.

## **【Respirators】**

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

## **Fire Fighting Measures**

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### **【Fire Fighting】**

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. To extinguish fire use water spray, dry chemical, carbon dioxide, or appropriate foam.

## **Accidental Release Measures**

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### **【Small spills/leaks】**

Wash area with soap and water. Clean up spills immediately, using the appropriate protective equipment. Sweep up, then place into a suitable container for disposal. Avoid generating dusty conditions. Provide ventilation.

## **Stability and Reactivity**

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**【Stability】** Stable under normal temperatures and pressures.

**【Incompatibilities】** Strong oxidizing agents.

### **【Decomposition】**

Hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide.