

# 贵州华捷化工有限公司

## GUIZHOU SINO-PHOS CHEMICAL CO., LTD

1105 Zhongxia Mansion No.101 Zhonghua North RD.,Guiyang 550001 Guizhou China

TEL:0086-851-6823271,6831851,6832072,6855152

E-MAIL:[gpcgf@public.gz.cn](mailto:gpcgf@public.gz.cn)

FAX:0086-851-6830401

<http://www.sino-phos.com>

### Material Safety Data Sheet

#### 1. Identification of the substance/preparation and company

*Trade Name* : Ferro Phosphorus

*Chemical Name* : Ferro Phosphorus

*Supplier* : Guizhou sino-phos chemical co.,ltd.

1105 Zhongxia Mansion,No.101 Zhonghua North Rd.,

Guiyang,Guizhou,550001 P.R. China

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*E-mail*:[gpcgfZ@public.gz.cn](mailto:gpcgfZ@public.gz.cn)

*Web*:[www.sino-phos.com](http://www.sino-phos.com)

**Emergency telephone number:0086-851-6831851**

#### 2.Composition and information on ingredients

*Ferro Phosphorus* : 100%

*Further information* : Chemical characterisation: Alloy of ferro phosphorus with 20-30% phosphorus, 70-80% ferro and small quantities manganese ,chromium,vanadium and titanium.

#### 3. Hazards identification

*Inhalation* : Particals: cough,sore throat,shortness of breath

*Skin* : None

*Eyes* : Partical:irritation,redness

*Ingestion* :

*Environment* :

*Fire* :

*Explosion* :

*Chemical/Physical* :

*Other* :

#### 4. First aid measures

*In case of inhalation* : Remove casualty into fresh air and keep at rest.Seek medical advice.

*In case of contact with skin* :

*In case of contact with eyes* : Rinse with plenty of water and seek medical advice.

*In case of ingestion* :

*Advice to doctor* : Treat symptomatically

*Futher information* :

#### 5. Fire-fighting measures

*Extinguis hing media*: The product itself is not flammable.

Take extinguishing action appropriate to the fire in the surroundings.

*Unsuitable extinguishing* :

*Media* :

*Special exposure harzards* :

*Dangerous decinoistui oridycts* :

*Equipment for firefighters* :

*Special extinguishing procedure* :

#### 6. Accidental release measures

*Personal preaution* : Avoid contact with respiratory system and eyes.

*Environmental preaution* :

*Methods for cleaning up* : Take up mechanically. Dispose of contaminated material in accordance with the safety regulations.

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### 7. Handling and storage

*Handling* : No special measures are required if complied with standard hygiene rules.

*Storage* : Storage unlimited if stored in accordance with the regulations

*Requirements for packaging* :

### 8. Exposure controls/personal protection

#### LIMIT VALUE\*

\**Dutch limit value(MAC)* : Not determined

\*for irritation totally inhalable material/dust : 10 mg/m<sup>3</sup>; for respirable material applies: 5 mg/cm<sup>3</sup>.

#### MEASURES

*Technical* : Do not inhale dust. Avoid contact with eyes and respiratory system.

Provide good ventilation and fume exhaustion.

*Organizational* : Monitor compliance with the safety regulations.

*Hygienic* : After work, wash and care for the skin thoroughly.

#### PERSONAL PROTECTIVE EQUIPMENTS

*Respiration protection* : Dust mask, filtertype P2.

*Hand protection* :

*Eye protection* : Closely fitting safety goggles.

*Skin protection* :

### 9. Physical and chemical properties

*Physical condition* : Solid

*Colour* : Gray

*Odour* : Odourless

*Odour perception limit* :

*Molecular weight* :

*Acidity/pH* :

*Boiling point/....(°C)* :

*Melting point/....(°C)* :Ca.1200

*Flash point/....(°C)* :

*Self-ignition temperature(°C)* :

*Lower explosion limit(vol.%)* :

*Upper explosion limit(vol.%)* :

*Vapour pressure(20 °C)* :

*Relative vapour density(kg/m<sup>3</sup>)* : >5800 kg/m<sup>3</sup>(at 20 °C) bulk density 2800

*Relative density(H<sub>2</sub>O=1)* :

*Solubility in water* : No

*Viscosity (20 °C,mPas)* :

*Partition coefficient octanol/ water* :

### 10. Stability and reactivity

*Stability* :

*Circumstances to avoid* :

*Substances to avoid* :

*Dangerous decomposition* :  
products

### 11. Toxicological information

*Acute toxicity*

*Topical effects*

*Long-term effects*

*Chronic effects*

*Other effects*

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### 12. Ecological information

*Mobility*

*Bioaccumulative potential*

*Degradability*

*Ecotoxicity*

*Other* :No specialfications known because of the insolubility in water.

### 13. Disposal considertaitons

*Method of disposal* Product can be disposed together with domestic garbage in compliance with the required

technical regulations and after consulting the waste expert and the authorities.

*Waste material code*

*Disposal of packaging* Not-contaminated packaging can be disposed for recycling.

*Other remark*

### 14. Transport information

*UN-number:*

*GEVI-number :*

*Transportname :* FERRO PHOSPHORUS

*ADR/ADNR/RID class :* NOT A HAZARDOUS SUBSTANCE

*Itemnumber :* NOT A HAZARDOUS SUBSTANCE

*IMO/IMDG-class :* NOT A HAZARDOUS SUBSTANCE

*IATA :* NOT A HAZARDOUS SUBSTANCE

*Other details :*Shipment by mail:APPROVED

### 15. Regulatory information

*Symbol :*

**R-phrases :**

**S-phrases :**

*Note :*

*EC-label :* Labelling in conformity with diretives not subject to the labeling regulation.

*EC number :*

*Special regulations :*

### 16. Other information

*Changes in rubric :*

*This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.*