

# Hangzhou Jiekai Chemicals Co., Ltd.

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## Material Safety Data Sheet

According to 91/155/EEC and ISO 11014-1

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### **1. Identification of substance and of the company**

Trade Name: PIGMENT ORANGE 5  
Hangzhou Jiekai Chemicals Co., Ltd.  
NO.227, SHIXIN BEILU RD, XIAOSHAN DISTRICT, HANGZHOU, CHINA.  
Tel: 86-571-83710202 Fax: 86-571-82163005

### **2. Composition/Data on components**

Substance: PIGMENT ORANGE 5  
CAS No: 3468-63-1 EEC Symbol: None R-Phrases: None

### **3. Hazards identification**

No hazardous effects known  
The product is not a substance subject to mandatory marking in accordance with the EEC Directive 67/584/EEC Or amendments

### **4. First Aid measures**

**After inhalation:** Supply fresh air.  
**After eye contact:** Flush with plenty of pressure water for 15 minutes, occasionally raising eye lids.  
**After skin contact:** Wash skin with mild soap and water.

### **5. Fire fighting measures**

**Suitable extinguishing media:** no restriction  
**Special hazards caused by the material, its combustion products or resultant gases:** none  
**Special personal protection equipment:** none

### **6. Accidental release**

**Environmental protection conduct:** Do not sweep or wash into public stretches of water, sewers or sites of unknown discharge paths.  
**After spillage/leakage/gas/ leakage:** Clean up immediately with wetting or absorbent material avoiding dusting.

### **7. Handling and storage**

**Handling:**  
Usual precautions for nuisance dust should be observed.  
**Protection against fire and explosion:**  
The product is non-flammable  
**Storage:**  
Store in roofed places at room temperature Keep containers tightly sealed.  
**Flammability Class:** nor applicable.

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## **8. Exposure controls/personal protection**

### **Additional notes for design of plants equipment:**

No farther details, see sec7

### **Components with workplace-related limits to be monitored:**

<u>Designation</u>	<u>%</u>	<u>Type of data</u>	<u>Unit</u>
Nuisance dust	100	MAK	6 mg/m <sup>3</sup>
		TLV/TWA(USA)	10 mg/m <sup>3</sup>

### **Personal protection equipment:**

#### **Respiratory protection:**

An appropriate dust fixer has to be used if a breathable dust liberated.

## **9. Physical and chemical properties**

Appearance: Red powder

Odor: mild

Melting point: 280°C

Relative density:1.48-2

Decomposition: None

Flammability: see 7handling

Molecular formula : C<sub>16</sub>H<sub>10</sub>N<sub>4</sub>O<sub>5</sub>

Molecular Weight: 338.27

Tinting strength: 95-105% of the standard

Volatile matter at 105°C: 2.5% max

Soluble matter in water: 1.5% max

Oil absorption: <40

Fastness to light:6

Fastness to heat(°C):130

Bleeding resistance water:5

Bleeding resistance linseed oil: 5

Bleeding resistance acid: 5

Bleeding resistance alkalis:5

Bleeding resistance alcohol: 5

Bleeding resistance xylone:4

Bleeding resistance ethyl acetate: 4

## **10. Stability and reactivity**

Hazardous decomposition products

No decomposition at proper storage and application conditions

## **11. Toxicological Information**

Because of experience with product mentioned, there are no recognizable hazards for human beings, if it is correctly used and applied.

## **12. Ecological informatio**

Avoid filtration into waster draining or soil.

## **13. Disposal considerations**

Uses should acquaint themselves with local regulations.

Disposal is usually carried out by burying at an approved tip or by incineration by a licensed waste material processor; stack gases may need to be sorubbed (see section 5 above)

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### **14. Transport information**

No declaration for transport required

### **15. Regulatory information**

Classified according to the Directives 67/548/EEC, and their various amendments, and labeled as below:

Warning symbols: None

Warning words: None

Risk Phrases: None

Safety Phrases: None

### **16. Other information**

Listed in EINECS and TSCA inventories.0

Intended uses: Paints.

References: -(1)Occupational Exposure Limits, EH/40(HSE)

-(2)Deutsche Forschungs gemeinschaft MAK-& BAT-Values.

-(3)A.C.D.Cowley, Polymers Paint Journal, August 7/21, 1985.