

# Material Safety Data Sheet

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

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Date : May. 20, 2020

## 1. Identification of substance and of the company

**Trade Name: Iron Oxide Orange**

HIGHTECH INDUSTRIES CO., LIMITED.

Add: JINCHENG, JINZHOU, LIAONING, CHINA

Tel.: +86 242 3259216

## 2. Composition/Data on components

### Chemical characterization:

Synthetic iron oxide:Mixture of  $\text{Fe}_2\text{O}_3 \cdot \alpha \text{H}_2\text{O}$  and  $\text{Fe}_2\text{O}_3 \cdot \text{H}_2\text{O}$  ( $\alpha$ - $\text{FeOOH}$ ), combination of C. I. Pigment 77491 and 77492

**CAS. No.:** 1309-37-1 and 20344-49-4

**Einecs No.:** 215-168-2 and 243-746-4

### Dangerous components:

## 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 inhaling:** Supply fresh air

**After eye contact:** Flush with plenty of pressure water for 15 mins., 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:** not applicable

## 8. Exposure controls/personal protection

### Additional notes for design of plant equipment:

No further details, see sec. 7

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

Designation	%	Type of data	Unit
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 filter has to be used if a breathable dust is liberated.

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<b>Trade name: Iron Oxide Orange</b>				
<b>9. <u>Physical and chemical properties</u></b>				
form:	powder			
colour:	orange			
odour:	odourless			
		<b>Value/Area</b>	<b>Unit</b>	<b>Method</b>
<b>Change in physical state</b>				
<b>Thermal Decomposition:</b>		n.a.	°C	Lit.
<b>Flash point:</b> not flammable				
<b>Flammable properties:</b> The product is not flammable under standardized conditions.				
<b>Explosion risks:</b> The product is not explosive				
<b>Vapour pressure:</b>		n.a.	mbar	
<b>Density:</b>	(20 <sup>0</sup> C)	4.1	g/cm <sup>3</sup>	DIN/ISO 787 part 10 B
<b>Solubility in water:</b>	(20 <sup>0</sup> C)	<0,5	%	DIN/ISO 787 part 3
<b>PH-Value:</b> (at 100 g/l H <sub>2</sub> O)	(20 <sup>0</sup> C)	ca.3.5-7		DIN/ISO 787 part 9
<b>10. <u>Stability and reactivity</u></b>				
<b>Hazardous decomposition products</b>				
No decomposition at proper storage and application conditions				
<b>11. <u>Toxicological Information</u></b>				
Because of experiences with the product mentioned, there are no recognizable hazards for human beings, If it is correctly used and applied.				
<b>12. <u>Ecological information</u></b>				
Avoid infiltration into waster drainings or soil.				
<b>13. <u>Disposal considerations</u></b>				
<b>Product:</b>				
Dispose in accordance with federal, state and local regulations.				
<b>Waste Code No.:</b>				
Check re-use as alternative.				
<b>Contaminated packages and containers:</b>				
Emptied, but contaminated packages and containers may be recycled.				
<b>Waste Code No.:</b>		18715 (Germany)		
<b>14. <u>Transport information</u></b>				
No declaration for transport required.				
<b>15. <u>Regulatory information</u></b>				
The product is not a substance subject to mandatory marking in accordance with the EEC Directive 67/548/EEC or amendments.				
<b>Water risk class:</b> WGK 0 (Self-assessment, acc. to § § 7a 19,19a-1 of German Water Utilization Act (WHG))				
<b>16. <u>Further information:</u></b>				
Vertical markings at left margin denote alterations of previous issue.				
The information contained herein is based on the present state of our knowledge, but without liability.				