



## Material Safety Data Sheet

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

Printing date : 23-Aug-18

Replaced issue dd.:---

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

**Trade Name: Iron Oxide Yellow**

XINXIANG RONGBO PIGMENT SCIENCE & TECHNOLOGY CO., LTD.  
 Add: NO.8 INDUSTRIAL ROAD,ZHAIPO TOWN, XINXIANG CITY,HEMAN PROVINCE, CHINA  
 Tel.: +86 373 5630005

### 2. Composition/Data on components

**Chemical characterization:**Synthetic iron oxide Fe<sub>2</sub>O<sub>3</sub>.H<sub>2</sub>O ( $\alpha$ -Fe<sub>2</sub>O<sub>3</sub>), C. I. Pigment Yellow 42**CAS No:**20344-49-4**Einecs No:** 243-746-4**Dangerous :** 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 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 <sub>3</sub>
		TLV/TWA(USA)	10 mg/m <sub>3</sub>

**Personal protection equipment:****Respiratory protection:** An appropriate dust filter has to be used if a breathable dust is liberated.



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<b>9. Physical and chemical properties</b>			
form:	powder		
colour:	yellow		
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
<b>Flash point:</b>	not flammable		Lit.
<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>	(200C)	4.1	g/cm <sup>3</sup>
<b>Solubility in water:</b>	(200C)	<0.3	%
<b>pH-Value:</b>	(at 100 g/l H <sub>2</sub> O)	(200C)	ca.3-7
			DIN/ISO 787 part 10
			DIN/ISO 787 part 3
			DIN/ISO 787 part 9
<b>10. Stability and reactivity</b>			
<b>Hazardous decomposition products</b>			
No decomposition at proper storage and application conditions			
<b>11. Toxicological Information</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. Ecological information</b>			
Avoid infiltration into waster drainings or soil.			
<b>13. Disposal considerations</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. Transport information</b>			
<b>International:</b>			
<b>Land transport:</b>	ADR/RID/GGVS/GGVE:		Not Regulated
<b>Sea transport:</b>	IMDG/GGV See UN-No.:		Not Regulated
<b>Air transport:</b>	ICAO/IATA UN/ID-No.:		Not Regulated
<b>U.S.:</b>	D.O.T.CLASSIFICATION:		Not Regulated
<b>CANADA:</b>	Transport of dangerous goods:		Not Regulated
<b>DOT Shipping Name:</b> None			
Technical Shipping Name: Inorganic Oxide			
DOT Hazardous Classification: Non-Regulated. This product is not classed as a dangerous substance under the Classification, Packaging and Labeling of Dangerous Goods Act.			
<b>DOT Hazard Class:</b> Non-Regulated.			
<b>DOT Identification Number:</b> None			
<b>DOT Labels required:</b> None			
<b>DOT Placards required:</b> None. No specific transportation precautions required.			
<b>UN Class:</b> None.			
<b>15. Regulatory information</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. Further information:</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.			
<b>Department issuing this data sheet:</b> Product safety department			