



# Material Safety Data Sheet

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



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Printing date : 1-Sep-10

Replaced issue dd.:---

## 1. Identification of substance and of the company

### Trade Name: Iron Oxide Brown

SHENGHUA GROUP DEQING HUAYUAN PIGMENT CO., LTD.  
Add: ZHONGGUAN, DEQING, ZHEJIANG, CHINA  
Tel.: +86 572 8401598

## 2. Composition/Data on components

### Chemical characterization:

Synthetic iron oxide : Mixture of  $Fe_2O_3 \cdot \alpha H_2O$ ,  $Fe_2O_3 \cdot H_2O$  and  $Fe_3O_4$ , combination of C. I. Pigment Red 101, Pigment Yellow 42 and Pigment Black 11

CAS No: 1309-37-1 , 20344-49-4 and 1317-61-9

Einecs No: 215-168-2, 243-746-4, 215-277-5

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:

<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 filter has to be used if a breathable dust is liberated.



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## 9. Physical and chemical properties

form: powder  
colour: brown  
odour: odourless

### Change in physical state

#### Thermal Decomposition:

Value/Area	Unit	Method
n.a.	°C	Lit.

#### Flash point: not flammable

**Flammable properties:** The product is not flammable under standardized conditions.

**Explosion risks:** The product is not explosive

#### Vapour pressure:

n.a. mbar

**Density:** (200C) 4.4 ~ 4.8 kg/l DIN/ISO 787 part 10 B

**Solubility in water:** (200C) <0.5 % DIN/ISO 787 part 3

**pH-Value:** (at 100 g/l H<sub>2</sub>O) (200C) 4 ~ 7 DIN/ISO 787 part 9

## 10. Stability and reactivity

### Hazardous decomposition products

No decomposition at proper storage and application conditions

## 11. Toxicological Information

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

## 12. Ecological information

Avoid infiltration into waster drainings or soil.

## 13. Disposal considerations

### Product:

Dispose in accordance with federal, state and local regulations.

### Waste Code No.:

Check re-use as alternative.

### Contaminated packages and containers:

Emptied, but contaminated packages and containers may be recycled.

**Waste Code No.:** 18715 (Germany)

## 14. Transport information

### International:

**Land transport:** ADR/RID/GGVS/GGVE: Not Regulated

**Sea transport:** IMDG/GGV See UN-No.: Not Regulated

**Air transport:** ICAO/IATA UN/ID-No.: Not Regulated

**U.S.** D.O.T.CLASSIFICATION: Not Regulated

**CANADA** Transport of dangerous goods: Not Regulated

### DOT Shipping Name: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.

**DOT Hazard Class:** Non-Regulated.

**DOT Identification Number:** None

**DOT Labels required:** None

**DOT Placards required:** None. No specific transportation precautions required.

**UN Class:**None.

## 15. Regulatory information

The product is not a substance subject to mandatory marking in accordance with the EEC Directive 67/548/EEC or amendments.

**Water risk class:** WGK 0 (Self-assessment, acc. to § § 7a 19,19a-1 of German Water Utilization Act (WHG))

## 16. Further information:

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.

**Department issuing this data sheet:** Product safety department