



HUZHOU HUAMAN CHEMICAL INDUSTRY CO,LTD.

Add: WanAn Huanzhu, HuZhou City, Zhejiang Province China, Fax:0086-572-3380018

Website: <http://www.huamanchem.com/>. Email: hzheyuzhou@126.com

Material Safety Data Sheet

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

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Replaced issue dd.:---

1. Identification of substance and of the company

Trade Name: Iron Oxide Brown

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2. Composition/Data on components

Chemical characterization:

Chemical Formula:Mix of $Fe_2O_3+Fe_3O_4+FeOOH$,CAS No.:1309-37-1,1317-61-9 and 20344-49-4
C.I. Pigment red 101, C.I. Pigment black 11 and C.I. Pigment yellow 42,

Dangerous components:

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 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



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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 ³
		TLV/TWA(USA)	10 mg/m ³

Personal protection equipment:

Respiratory protection:

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

9. Physical and chemical properties

form: Powder

colour: Brown

odour: odourless

Change in physical state

Thermal Decomposition:

<u>Value/Area</u>	<u>Unit</u>	<u>Method</u>
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: (20°C) 4.4 ~ 4.8 kg/l DIN/ISO 787 part 10B

Solubility in water: (20°C) <0.5 % DIN/ISO 787 part 3

pH-Value: (at 100 g/l H₂O) (20°C) 4.0 ~ 7.5 DIN/ISO 787 part 9



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Trade name: Iron Oxide Brown
10. <u>Stability and reactivity</u> Hazardous decomposition products No decomposition at proper storage and application conditions
11. <u>Toxicological Information</u> Because of experiences with the product mentioned, there are no recognizable hazards for human beings, If it is correctly used and applied.
12. <u>Ecological informations</u> Avoid infiltration into waster drainings or soil.
13. <u>Disposal considerations</u> 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. <u>Transport information</u> No declaration for transport required.
15. <u>Regulatory information</u> 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. <u>Further information:</u> 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

The data given here is based on current knowledge and experience. The purpose of this Material Safety Date Sheet is to describe the products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance.