

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 Brown

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 $\text{Fe}_3\text{O}_4 \cdot \text{O}$, combination of C. I. Pigment Red 101, Pigment Yellow 42 and Pigment Black 11

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

Einecs No.: 215-168-2, 215-277-5 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 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.

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Trade name: Iron Oxide Brown				
9. <u>Physical and chemical properties</u>				
form:	powder			
colour:	brown			
odour:	odourless			
		Value/Area	Unit	Method
Change in physical state				
Thermal Decomposition:		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 ⁰ C)	4.4- 4.8	g/cm ³	DIN/ISO 787 part 10 B
Solubility in water:	(20 ⁰ C)	<0,5	%	DIN/ISO 787 part 3
PH-Value: (at 100 g/l H ₂ O)	(20 ⁰ C)	ca.4-7		DIN/ISO 787 part 9
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 information</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.				