Material Safety Data Sheet (MSDS)
IRON OXIDE BLUE

1. Identification of substance and of the company

Product Name: IRON OXIDE BLUE

BAOJI XUAN TAI PIGMENT TECHNOLOGY CO., LTD.

2. Composition/Data on components

Chemical characterization:

Synthetic Iron Oxide Fe4[Fe(CN)6]3·K4Fe(CN)6, C. I. Pigment 27 , C I No.77492, CAS. No. 14038-43-8

HS Code:2821.1000

Compositions		CAS Number
Fe2O3	55%	1309-37-1
PigmentBlue	11%	12239-87-1
Water	1%	7732-18-5
SiO2	11%	7631-86-9
Al2O3	11%	1344-28-1
CaSO4	11%	7778-18-9

Dangerous components:

None

3. Hazards identification

**********Emergency Overview**********

May cause mechanical irritation to the eyes, skin and respiratory tract, Irritating gases/fumes may be given off during burning or thermal decomposition.

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HMISCodes:H=1,F=1,R=0,P=0 (0=Minimal,1=Slight,2=Moderate,3=Serious,4=Severe)

Eyes: Non-irritating to the eyes. Excessive exposure to airborne dust may reduce visibility and /or cause unpleasant deposits.

Skin: will not irritate skin and is not likely to cause allergic skin reaction. Injury to the skin or mucus membranes can occur by direct mechanical action or by rigorous skin cleaning necessary for removal of dust.

Other effects: none known.

Not a hazard in normal industrial use. No harmful effects observed.

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

Firstaidforskin: Incaseofskincontact,immediatelyflushskinwithwater.Washclothingbeforereuse.Call a physician if irritation occurs.

First aid for ingestion: Immediately contact a physician.

First aid for eyes: Flush eyes with plenty of water, lifting lids periodically for at least 15 minutes. Consult a physician if irritation persists.

First aid for inhalation: Remove from dusty area to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

5. Fire fighting measures

Product is non-combistible.
Upper Explosive Limit (UEL): Will not explode.
Lower Explosive Limit (LEL): Will not explode.
Fire Fighting Instructions: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes and smoke inhalation.
Suitable extinguishing media : Material is not combustible. Use extinguishing media suitable for other combustible materials in the area.
Special hazards caused by the material, its combustion products or resultant gases: none
Flash point: Not applicable.
Auto-ignition temperature : Not applicable.

6. Accidental release

Environmental protection conduct: Do not sweep or wash into public stretches of water, sewers or sites of unknow 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	%	Typeofdata	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.

9. Physical and chemical properties

form: Powder
colour: Blue
odour: odourless

		Value/Area	Unit	Method
Change in physical state				
Thermal Decomposition:		n.a.	^{0}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	
Densi ty:	(20^{0}C)	4,1	g/cm^3	DIN/ISO787part10B
Solubility in water:	(20^{0}C)	<0,5	%	DIN/ISO787part3
PH-Value: (at100g/lHO) 2	(20^{0}C)	ca.3.5~7		DIN/ISO787part9

10. **Stability and reactivity**

Hazardous Polymerization: Will not occur.
Stability: Stable Material.
Incompatibilities: None known.
Instability conditions: None known.
Decomposition temperature: Greater than 120 C.
Decomposition products: None known.

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. **Ecologicalinformation**

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. **Transportinformation**

International:

Land transport:	ADR/RID/GGVS/GGVE:	NotRegulated
Sea transport:	IMDG/GGVSeeUN-No.:	NotRegulated
Air transport:	ICAO/IATAUN/ID-No.:	NotRegulated
U.S.	D.O.T.Classification:	NotRegulated
CANADA	Transport of dangerous goods:	Not Regulated

BAOJI XUAN TAI PIGMENT TECHNOLOGY CO.,LTD. 宝鸡轩泰颜料科技有限公司

DOT Shipping Name: None
Technical Shipping Name: Inorganic Oxide
DOT Hazardous Classificatio n: 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.
UN/NA Number: None.

15. **Regulatoryinformation**

Labeling according to EEC Directives: Not Regulated.

SARA

SARA 312:

Health	:Immediate(Acute):	No*	Fire:	None
	Delayed(Chronic):	No**	Reactivity:	None
			Suddenreleaseofpressure:	None

Not an acute hazard, however may cause irritation due to abrasiveness.
These products are not classified as Carcinogens by the National Toxicology Program, the International Agency for Research on Cancer or the Occupational Safety and Health Administration. We do not know of any chronic health effect from these products. The finished pigment is a fine powder and may increase the risk of respiratory and skin discorders aggravated by dust.

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. Furtherinformation:

HMISCodes:H=1,F=1,R=0,P=0 (0=Minimal,1=Slight,2=Moderate,3=Serious,4=Severe)

Vertical markings at left margin denote alterations of previous issue.
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Department issuing this data sheet: Product safety department