



Material Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by Regulation (EU) No 2015/830
According to Regulation (EC) No 1272/2008
According to 91/155/EEC and ISO 11014-1



1. Identification of substance and of the company			
Trade Name: Iron Oxide Black			
ZHEJIANG HUAYUAN PIGMENT CO.,LTD. ZHONGGUAN,DEQING,ZHEJIANG 313220,CHINA Tel.: +86 572 8401598			
2. Composition/Data on components			
Chemical characterization:			
Synthetic iron oxide Fe ₃ O ₄ , C. I. Pigment BLACK 11, 1317-61-9			
CAS No: 1317-61-9/215-277-5			
Einecs No: 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:			
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 BLACK			
9. Physical and chemical properties			
form:	powder		
colour:	black		
odour:	odourless		
		<u>Value/Area</u>	<u>Unit</u> <u>Method</u>
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:	(200C)	4,6	g/cm3 DIN/ISO 787 part 10 B
Solubility in water:	(200C)	<0,5	% DIN/ISO 787 part 3
pH-Value:	(at 100 g/l H ₂ O)	(200C)	ca.5-8 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			