

Material Safety Data Sheet

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

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1. <u>Identification of substance and of the company</u> Trade Name: Iron Oxide Red												
2. <u>Composition/Data on components</u> Chemical characterization: Synthetic iron oxide $\text{Fe}_2\text{O}_3 \cdot \alpha\text{H}_2\text{O}$, C. I. Pigment RED 101 CAS No: 1309-37-1 Einecs No: 215-168-2 Dangerous : none												
3. <u>Hazards identification</u> 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. <u>First Aid measures</u> 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. <u>Fire fighting measures</u> Suitable extinguishing media: no restriction Special hazards caused by the material, its combustion products or resultant gases: none Special personal protection equipment: none												
6. <u>Accidental release</u> 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. <u>Handling and storage</u> 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. <u>Exposure controls/personal protection</u> Additional notes for design of plant equipment: No further details, see sec. 7 Components with workplace-related limits to be monitored: <table border="1"><thead><tr><th><u>Designation</u></th><th><u>%</u></th><th><u>Type of data</u></th><th><u>Unit</u></th></tr></thead><tbody><tr><td>Nuisance dust</td><td>100</td><td>MAK</td><td>6 mg/m^3</td></tr><tr><td></td><td></td><td>TLV/TWA(USA)</td><td>10 mg/m^3</td></tr></tbody></table> Personal protection equipment: Respiratory protection: An appropriate dust filter has to be used if a breathable dust is liberated.	<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
<u>Designation</u>	<u>%</u>	<u>Type of data</u>	<u>Unit</u>									
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9. <u>Physical and chemical properties</u>				
form:	powder			
colour:	red			
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)	5.0	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 H2O)	(200C)	ca.3.5-7	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>				
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. <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				