

# Material Safety Data Sheet

## Iron Oxide

### 1: Chemical Product and Company Identification

Product Name: Iron Oxide

**Contact Information:**

### 2: Composition and Information on Ingredients

**Chemical characterization:**

Synthetic iron oxide Fe<sub>3</sub>O<sub>4</sub>, C. I. Pigment 11, 1317-61-9

**CAS No:**1317-61-9

**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 Measures

**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:**

### 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:**

Nuisance dust 100% MAK 6 mg/m<sup>3</sup>

TLV/TWA(USA) 10 mg/m

### 9: Physical and Chemical Properties

**pH-Value:** (at 100 g/l H<sub>2</sub>O) (200C) ca.5-8 DIN/ISO 787 part 9

form: powder  
odour: odourless

	Value/Area	Unit	Method
<b>Thearomgea li nD ecomsicpaols ittiotne:</b>	n.a.	OC	Lit.
<b>Flash point:</b>	not flammable		
<b>Flammable properties:</b>	The product is not flammable under standardized conditions.		
<b>Explosion risks:</b>	The product is not explosive		
<b>Vapour pressure:</b>	n.a.	mbar	
<b>Density:</b>	(200C) 4,6	g/cm <sup>3</sup>	DIN/ISO 787 part 10 B
<b>Solubility in water:</b>	(200C) <0,5	%	DIN/ISO 787 part 3

### 10: Stability and Reactivity Data

No decomposition at proper storage and application conditions

### Hazardous decomposition products

### 11: Toxicological Information

If it is correctly used and applied.

Because of experiences with the product mentioned, there are no recognizable hazards for human beings,

### 12: Ecological Information

Avoid infiltration into water drainings or soil.

### 13: Disposal Considerations

**Waste Code No.:** 18715 (Germany)

**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.

### 14: Transport Information

**UN Class:**None.

**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.

### 15: Other Regulatory Information

**Water risk class:** WGK 0 (Self-assessment, acc. to §§7a 19,19a-1 of German Water Utilization Act (WHG))

The product is not a substance subject to mandatory marking in accordance with the EEC Directive 67/548/EEC or amendments.

### 16: Other 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