

## DEMTAS PIGMENT AND CHEMICAL CO.LTD.

### 1. Identification of substance and of the company

**Trade Name: Deox Iron Oxide Red 110**

**DEMTAŞ PİGMENT VE KİMYEVİ MAD.İMALAT SAN. VE DIŞ TİC.LTD.ŞTİ.**

### 2. Composition/Data on components

3. Chemical characterization:

Synthetic iron oxide  $Fe_2O_3 \cdot nH_2O$ , C. I. Pigment RED 101 CAS No:1309-37-1 Einecs No: 215-168-2 Dangerous : none

### 4. 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.

### 5. 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

### 6. 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

### 7. 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

### 8. 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

### 9. 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 dataUnit . ^

Nuisance dust	100	MAK	6 mg/m
TLV/TWA(USA)		TLV/TWA (USA)	10 mg/m <sup>3</sup>

### Personal protection equipment:

#### Respiratory protection:

An appropriate dust filter has to be used if a breathable dust is liberated.

#### 10. Physical and chemical properties powder red.

	Value/Area	Unit	Method
Change in physical state			
Thermal Decomposition:	n.a.	C	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)	5.0	g/cm <sup>3</sup>	DIN/ISO 787 Part 10 B
<b>Solubility in water:</b> (200C)	0.5	%	DIN/ISO 787 part 3
<b>pH-Value:</b> (at 100 g/l H <sub>2</sub> O)	(200C)	ca.3.5-7	DIN/ISO 787 part 9

#### 11. Stability and reactivity

Hazardous decomposition products

No decomposition at proper storage and application conditions

#### 12. Toxicological Information

Because of experiences with the product mentioned, there are no recognizable hazards for human beings, If it is correctly used and applied.

#### 13. Ecological information

Avoid infiltration into waster drainings or soil.

#### 14. 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)

#### International:

**Land transport:** ADR/RID/GGVS/GGVE: Not Regulated

**Sea transport:** IMDG/GGV See UN-No.: Regulated Not

**Air transport:** ICAO/ATA UN/ID-No. : Regulated Not

U.S. D.O.T. CLASSIFICATION: Regulated Not

CANADA Transport of dangerous goods: Regulated Not

**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**

**DEMTAS PIGMENT AND CHEMICAL CO.LTD.**

**TECHNICAL DATA**

Edition of: 2019-10-04

<b>Trade Name</b>	Deox Iron oxide red			
<b>Type</b>	110			
<b>Chemical name</b>	Diiron trioxide (Fe <sub>2</sub> O <sub>3</sub> - a H <sub>2</sub> O)			
<b>Delivery form</b>	Powder			
<b>Colour index</b>	Pigment red 101 (77491)			
<b>CAS No./EC No.</b>				
<b>Specifications</b>	Contents (Fe <sub>2</sub> O <sub>3</sub> - a H <sub>2</sub> O)	%	96	ISO1248
	Oil absorption	ml/100g	15~25	ISO787-5
	Res. on 325 mesh	%	0.3	ISO787-7
	Water soluble salts	%	0.3	ISO787-3
	Moisture	%	1.0	ISO787-2
	pH value		3~7	ISO787-9
	Ignition loss (1,000oC, % h)	%	1.0	DIN55913
	Bulk density	g/cm <sup>3</sup>	0.7~1.1	ISO787-11
	Specific gravity	g/cm <sup>3</sup>	5.0	ISO787-10
	Particle size BET	Pm	0.1	Electron Micrographs
	Dispersibility (Hegman)	Pm	20/25/30	ISO787-20
	Tinting Strength (Compared with Standard)	%	95~105	ISO787-24
	Color Difference AE (Compared with Standard)		1.0	ISO787-01
	<b>Sales packing</b>	In 25kg paper bag/1000kg bulk bag then palletized		
<b>Transport &amp; Storage</b>	Protect against weathering / Store in a dry place, temperatures of above 80 °C must be avoided			
<b>Safety</b>	The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008			