

DEMTAS PIGMENT AND CHEMICAL CO.LTD.

**Material Safety Data Sheet**

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

**Trade Name:** Deox Iron Oxide Black

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

**2. Composition/Data on components**

**3. Chemical characterization:**

Synthetic iron oxide Fe<sub>3</sub>O<sub>4</sub>, C. I. Pigment BLACK 11, 1317-61-9 CAS No:1317-61-9 EINECS No: 215-277-5

Dangerous : none

**4. Hazards identification**

**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. First Aid 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

**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.**

Change in physical state	Value/Area	Unit	Method
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	
<b>Density:</b>	(200C)	4.6	g/cm3	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.5-8	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: 2010-12-9

<b>Trade Name</b>	Iron oxide Black			
<b>Type</b>	330			
<b>REACH</b>	Registration No. 01-2119457646-28-0014			
<b>Chemical name</b>	Triiron tetraoxide (Fe <sub>3</sub> O <sub>4</sub> )			
<b>Delivery form</b>	Powder			
<b>Colour index</b>	Pigment black 11 (77499)			
<b>CAS No./EC No.</b>	1317-61-9/215-277-5			
<b>Specifications</b>	Contents (Fe <sub>3</sub> O <sub>4</sub> )	%	≥90	ISO1248
	Oil absorption	ml/100g	15~25	ISO787-5
	Res. on 325 mesh	%	≤0.5	ISO787-7
	Water soluble salts	%	≤0.5	ISO787-3
	Moisture	%	≤1.5	ISO787-2
	pH value		5~8	ISO787-9
	Ignition loss (1,000oC, % h)	%	≤5.0	DIN55913
	Bulk density	g/cm <sup>3</sup>	0.8~1.2	ISO787-11
	Specific gravity	g/cm <sup>3</sup>	4.8	ISO787-10
	Particle size BET	Pm	0.2	Electron Micrographs
	Dispersibility (Hegman)	Pm	20/30/40	ISO787-20
	Tinting Strength (Compared with Standard)	%	95~105	ISO787-24
	Color Difference AE (Compared with Standard)		≤1.0	ISO787-1
<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			



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İMALAT SAN. VE DİŞ TİC. LTD. ŞTİ.