

DEMTAS PIGMENT AND CHEMICAL CO.LTD.

Material Safety Data Sheet
Edition of: 2019-06-01 Page: 1/2

1. Identification of substance and of the company

Trade Name: **Deox Iron Oxide Brown 640**

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

2. Composition/Data on components

Chemical characterization: Synthetic iron oxide : Mixture of Fe₂O₃.aH₂O, Fe₂O₃.H₂O and Fe₃O₄, combination of C. I. Pigment Red 101, Pigment Yellow 42 and Pigment Black 11 CAS No: 1309-37-1,20344-49-4 and 1317-61-9 Einecs No: 215-168-2, 243-746-4,215-2775
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 dataUnit . A Nuisance dust 100 MAK 6 mg/m TLV/TWA(USA) 10 mg/m³ Personal protection equipment: Respiratory protection:An appropriate dust filter has to be used if a breathable dust is liberated.

Respiratory protection:

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

9. Physical and chemical properties

powder brown

Value/Area Unit Method

Change in physical state Thermal Decomposition: n.a. 0C Lit. Flash point: not flammable

Flammable properties: The product is not flammable under standardized conditions.

Explosion risks: The product is not explosive Vapour pressure: Density: Solubility in water:

pH-Value:(at 100 g/l H₂O) (200C) odourless

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)

Not Regulated Not Regulated Not Regulated Not Regulated 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

Adress

DEMTAS PIGMENT AND CHEMICAL CO.LTD.

TECHNICAL DATA

Edition of: 2019-10-1

Trade Name	Deox Iron oxide Brown			
Type	640			
Chemical name	Synthetic iron oxide			
Delivery form	Powder			
Colour index	Combination of Pigment red 101, yellow 42 and black 11			
CAS No./EC No.				
Specifications	Contents	%	88	ISO1248
	Oil absorption	ml/100g	20~30	ISO787-5
	Res. on 325 mesh	%	0.3	ISO787-7
	Water soluble salts	%	0.5	ISO787-3
	Moisture	%	1.5	ISO787-2
	pH value		4~7	ISO787-9
	Ignition loss (1,000oC, % h)	%		DIN55913
	Bulk density	g/cm3	0.6~0.9	ISO787-11
	Specific gravity	g/cm3	4.7	ISO787-10
	Particle size BET	Pm	Irregular	Electron Micrographs
	Dispersibility (Hegman)	Pm		ISO787-20
	Tinting Strength (Compared with Standard)	%	95~105	ISO787-24
	Color Difference AE (Compared with Standard)		1.0	ISO787-01
	Sales packing	In 25kg paper bag/1000kg bulk bag then palletized		
Transport & Storage	Protect against weathering / Store in a dry place, temperatures of above 80 °C must be avoided			
Safety	The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008			