

DEMTAS PIGMENT AND CHEMICAL CO.LTD.

1. Identification of substance and of the company

Trade Name: Iron Oxide Yellow 313

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

2. Composition/Data on components

Chemical characterization:

Synthetic iron oxide Fe₂O₃.H₂O (α-FeOOH), C. I. Pigment Yellow 42 CAS No:20344-49-4

Einecs No: 243-746-4 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 . ^

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

Personal protection equipment:

Respiratory protection:

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

9. Physical and chemical properties

Form: Powder **Colour:** yellow **Odour:** odourless

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

Density: (200C) 4.1 g/cm³ DIN/ISO 787 Part 10 B

Solubility in water: (200C) 0.3 % DIN/ISO 787 part 3

pH-Value: (at 100 g/l H₂O) (200C) ca.3-7 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

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TECHNICAL DATA

Edition of: 2020-01-15

Trade Name	Deox Iron oxide Yellow			
Type	313			
Chemical name	Iron hydroxide (α -FeOOH)			
Delivery form	Powder			
Colour index	Pigment Yellow 42			
CAS No./EC No.				
Specifications	Contents (Fe ₂ O ₃ - a H ₂ O)	%	>86	ISO1248
	Oil absorption	ml/100g	30~40	ISO787-5
	Res. on 325 mesh	%	0.3	ISO787-7
	Water soluble salts	%	0.3	ISO787-3
	Moisture	%	1.5	ISO787-2
	pH value		3~7	ISO787-9
	Ignition loss (1,000oC, % h)	%	1.0	DIN55913
	Bulk density	g/cm ³	0.4~0.6	ISO787-11
	Specific gravity	g/cm ³	4.1	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
Sales packing	In 20 kg paper bag /500 kg bulk bag 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			