

TECHNICAL DATA SHEET & PRODUCT SPECIFICATIONS



Revision: 6 Issued: Sep. 1st, 2018 Doc ID: TDS DI-8003

Product denomination: **Pearlescent Pigment** **IRIDESIUM -8003**
TDS Number: **DI - 8003**

Physical Properties		Test Method
Physical Form:	Dry powder	N/A
Appearance:	Red Powder	N/A
Particle size Range:	50-250 µm	Laser Diffraction
Density	2.5-2.8 g/cm ³	DIN-ISO-787-10
Bulk Density	16-24g/100ml	ISO 3923 / ISO 3953
pH 10% Aqueous Slurry	6-10	DIN-ISO-787-9
Solubility in Water	Not Soluble	N/A
Oil Absorption	80-120g/100g	GB/T5211.15-88
Heat Resistance	≤600°C	N/A

Storage: Non flammable / S-Phrase S22 / Do not breathe dust

Composition - International Nomenclature of Cosmetics Ingredients (INCI) :				Nominal	Unit	Test Method
Silicon dioxide	CI: unlisted	CAS: 7631-86-9	EINECS: 231-545-4	58-60	%	ESCA
Titanium dioxide	CI : 77891	CAS: 13463-67-7	EINECS: 236-675-5	16-17	%	ESCA
Aluminium oxide	CI: unlisted	CAS: 1344-28-1	EINECS: 215-691-6	3	%	ESCA
Calcium oxide	CI: unlisted	CAS: 1305-78-8	EINECS: 215-138-9	8	%	ESCA
Magnesium oxide	CI: unlisted	CAS: 1309-48-4	ENINECS: 215-171-9	1	%	ESCA
Diiron trioxide	CI: 77491	CAS: 1309-37-1	EINECS : 215-168-2	3	%	ESCA
Sodium oxide	CI: unlisted	CAS: 55248-04-9	ENINECS: 215-208-9	7	%	ESCA
Potassium oxide	CI: unlisted	CAS: 12136-45-7	ENINECS: 235-227-6	2	%	ESCA
Loss on Drying				<0.5	%	ISO787/2

EC - Safety Data Sheet (MSDS) According to EC Directive 91/155/EEC IRID-8003

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END OF TECHNICAL DATA SHEET