



# Shanghai King Chemical Co.,Ltd

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## TECHNICAL DATA SHEET & PRODUCT SPECIFICATIONS

Revision: 6 Issued: Jan 1<sup>st</sup>, 2020 Doc ID: TDS IRIDESIUM -52S1

Product denomination: **Pearlescent Pigment** IRIDESIUM -52S1  
TDS Number: IRIDESIUM -52S1

Physical Properties		Test Method
Physical Form:	Dry powder	N/A
Appearance:	Purple-Blue-Green	N/A
Particle size Range:	10-40 $\mu\text{m}$	Laser Diffraction
Density	2.34-3.0 g/cm <sup>3</sup>	DIN-ISO-787-10
Bulk Density	27-35 g/100ml	ISO 3923 / ISO 3953
pH 10% Aqueous Slurry	7-11	DIN-ISO-787-9
Solubility in Water	Not Soluble	N/A
Oil Absorption	60-80g/100 g	GB/T 5211.15-88
Heat Resistance	$\leq 600^{\circ}\text{C}$	N/A

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

Composition - International Nomenclature of Cosmetics Ingredients (INCI) :				Nominal	Unit	Test Method
Synthetic Fluorphlogopite	CI : Unlisted	CAS: 12003-38-2	EINECS : 234-426-5	17-28	%	ESCA
Silicon Dioxide	CI:Unlisted	CAS:7631-86-9	EINECS:231-545-4	61-66	%	ESCA
Titanium dioxide	CI : 77891	CAS: 13463-67-7	EINECS : 236-675-5	10-15	%	ESCA
Tin dioxide	CI : 77861	CAS: 18282-10-5	EINECS : 242-159-0	1-2	%	ESCA
Loss on Drying				<0.5	%	ISO787/2

**Visual And Colorimetric Evaluation** Conforms Pritty YRH

EC - Safety Data Sheet (MSDS) According to EC Directive 91/155/EEC IRIDESIUM -52S1