



ARIHANT CHEMICAL CORPORATION & J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available with us under self import /
Manufacturing / Trading.

TECHNICAL DATA SHEET:- CHROME OXIDE GREEN GS

Chrome Oxide Green GS

Description

Type	Green pigment
Delivery form	Powder
Chemical class	Chromium oxide Cr₂O₃
Colour Index	Pigment Green 17 (77288)
CAS-No.	1308-38-9
REACH registration no.	01-2119433951-39-0000

Specified Color Data

Colour values and tinting strength			
Standard	Chrome Oxide Green GS		
Year	2010		
Binder	Test paste based on a non drying alkyd resin		
	min	max	Test method
Full shade			No. 001⁴¹
Δ L*	-1.5	1.5	
Δ a*	-1.5	1.5	
Δ b*	-1.5	1.5	
Δ E*_{ab}		2.0	
Reduction with titanium dioxide (1:5)			No. 001⁴¹
tinting strength parameter Y,			
Relative tinting strength [%]	95	105	

Specified Technical Data

Technical Data	min	max	Test method
Water soluble Cr(VI) [ppm]		5	PVS 103⁴¹
Sieve residue (0.045 mm sieve) [%]		0.2	DIN EN ISO 787-7:2009

Chrome Oxide Green GS

Informative Technical Data (guide values)

Cr₂O₃ content [%]	~	99		Test method	
pH value		5	-	7	X-ray fluorescence
Water soluble content [%]	~	0.3			DIN EN ISO 787-9:1995
Loss on ignition at 1000 °C, 0.25 h [%]	<	0.4			DIN EN ISO 787-3:2000
Particle shape			spherical		DIN ISO 4621:1988
Predominant particle size [µm]	~	0.3			Electron micrographs
Tamped density [g/ml]		0.8	-	1.2	Electron micrographs
Density [g/ml]	~	5.2			DIN EN ISO 787-11:1995
					DIN EN ISO 787-10:1995

Chrome Oxide Green GS

⁴¹ Obtainable from LANXESS Deutschland GmbH, Business Unit Inorganic Pigments, mailto: ipg.product-information@lanxess.com

Packaging

25-kg-bag
1000-kg-bulk bag

Transport and storage

General storage conditions: Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature.

Safety

The product is not classified as dangerous under the relevant EC Directives and corresponding national regulations valid in the individual EU member states. It is not dangerous according to transport regulations.

In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labelling and transport of dangerous substances must be ensured. The safety data sheet should be observed. This contains information on handling, product safety and ecology.

Status of registration (not specified)

The components of this product are listed on the following inventories:

Europe:	USA:	Canada:	Australia:	New Zealand:
EINECS	TSCA	DSL	AICS	NZIOC
Philippines:	Japan:	Korea:	China:	Taiwan:
PICCS	ENCS + ISHL	ECL	IECSC	NECSI

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