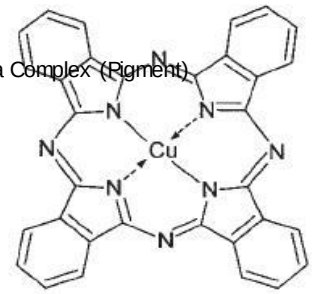
ARIHANT CHEMICAL CORPORATION
& J.J ENTERPRISE

For paints / inks / plastic / Rubber industries Raw material available with us under self import / Manufacturing / Trading. - SPECIFICATION OF Pigment Beta Blue 15:4

PIGMENT PHTHALOCYANINE BETA BLUE (15:4)

COMPARATIVE PROPERTIES AND USES

Chemical Class	:	Phthalocyanine Copper Beta Complex (Pigment)
Colour Index Name	:	PIGMENT BLUE 15:4
Colour Index No.	:	74160
Hue	:	Dark Blue
Molecular Weight	:	576
Cas No.	:	147-14-8
Molecular Formula	:	C32H16CuN8



Structure III: Pigment Blue 15

Structural formula of Pigment Beta Blue 15:4

PHYSICAL PROPERTIES

Oil Absorption (Ml/100gms)	:	50±5
Bulk Density	:	0.32±0.04 gm/cc
Specific Gravity (20 C)	:	1.52-1.56
Solubility in Water	:	Maximum 1%
Residue on 325 Mesh-sieve	:	
Grit Content	:	<50ppm
Heavy Metal	:	<3ppm
Free Copper	:	<50ppm
Moisture Content	:	Maximum 1%
PH of 10%Aq.Slurry	:	8.0
Heat Stability	:	Stable up to 265°C (As per Application)
Dispersibility	:	Excellent

FASTNESS PROPERTIES (1-5 Scale: 1 =Poor, 5=Excellent)

Water	:	5	Toluene	:	5
Ethanol	:	5	MEK	:	<5
Butanol	:	5	Turpentine	:	5
Acetone	:	4+	Soap	:	5
Butyl Acetate	:	5	Wax	:	5
Ortho-Xylene	:	5	Alkalies NaOH	:	4+
Methanol	:	4+	Acids (HCL)	:	5
Cello salt	:	5	Sterilization	:	5

OIL/PLASTICIZER (1-8 Scale: 1= Poor, 8=Excellent)

Linseed Oil	:	8	DOP	:	8
Caster Oil	:	8	DBP	:	8
DCO	:	8	Light Fastness	:	8

APPLICATIONS :- Pigment suitable letter press ink, Gravure Ink, Offset Inks, Metal Decorating Ink, Silk Screen Ink, Air drying & Decorative Paints, Water base paints, Flexo-graphic Inks, Plastic Application, Paint Emulsion, Paper, Leather etc.

The above specification is representing general idea of the report however same is subject to variation up to certain extent, since this is been PIGMENT, automatic action & reaction is very natural even test pack of the materials and same is depending on natural weather too.

Regd Off: - Plot no 24 Block no .5, 1st floor, Behind Aurora cinema, opp Sahakari bhandar, Matunga (C.R) Mumbai – 400019

Administration /correspondence Office :- Plot No. 319,Room No.3, Ranchoddas Terrace building ,sir Bhalchandra Road, opp Hira House, Near Chhatre Maternity Hospital, Matunga (C.R) Mumbai – 400019 Tel :- +91 22 24148378 / 24146390 Mob :- MR NILESH MEHTA +91 9820142066 / +91 8850378208/+91 902904206

Email Id :- info@arihantchemcorp.com, or nilesh@arihantchemcorp.com