



# TECHNICAL DATA SHEET

## PHTHALOCYANINE BLUE 15:3

High Performance Organic Pigment

PRE-REGISTERED /  
BATCH DEPENDENT



### 1. PRODUCT IDENTIFICATION

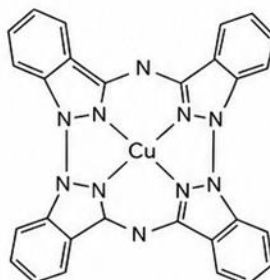
Chemical Class	Copper Phthalocyanine
CI Name	Phthalocyanine Blue 15:3
Colour Index (CI No.)	PB 15:3
CAS No.	147-14-8
EINECS / EC No.	205-685-1
Molecular Formula	C <sub>32</sub> H <sub>16</sub> CuN <sub>8</sub>
Molecular Weight	576.06
Appearance	Greenish Blue Powder
Shade	Greenish Blue
Density (g/cm <sup>3</sup> )	~1.6
Oil Absorption (g/100g)	30 – 40
Bulk Density (g/litre)	0.6 – 0.8

### COLOUR & TINT STRENGTH

MASSTONE TINT (1%)



### CHEMICAL STRUCTURE



### 2. KEY FEATURES

- Excellent Colour Strength
- Excellent Light & Heat Stability
- Outstanding Chemical Resistance
- High Opacity & Tinting Strength
- Excellent Dispersibility & Durability

### 3. APPLICATIONS



Paints & Coatings



Printing Inks



Plastics & Masterbatch



Rubber & Elastomers



Textile Applications

### 4. TYPICAL PACKAGING



25 Kg / 20 Kg  
Triple Lined HDPE Bags  
with PE Liner or as  
per customer request

### 5. PHYSICAL & CHEMICAL PROPERTIES

PARAMETER	SPECIFICATION	TEST METHOD
Colour (Shade)	Greenish Blue	Visual
Strength (Tinting Strength %)	95 – 105	ISO 787-24
Colour Index	PB 15:3	ISO 787-24
Heat Stability	Up to 300°C	ISO 787-24
Light Fastness (Full Shade)	8	ISO 105-B02
Weather Fastness	5	ISO 105-B04
Oil Absorption (g/100g)	30 – 40	ISO 787-5
pH (10% Extract)	6.0 – 8.0	ISO 787-9
pH Value	6.0 – 8.0	ISO 787-9
Water Soluble Matter (%)	Max. 1.0	ISO 787-3
Moisture Content (%)	Max. 1.0	ISO 787-2
Residue on 325 Mesh (%)	Max. 0.1	ISO 787-7

### 6. STORAGE



Store in a cool, dry and well-ventilated area, from direct sunlight and moisture. Keep containers tightly closed when not in use.

### 7. SHELF LIFE



24 months from date of manufacture under proper storage conditions.

### 8. REACH STATUS LEGEND

- REACH Registered Fully registered under EU REACH.
- Pre-registered / Batch Dependent Registration or availability depends on batch, volume or specific conditions.
- REACH Not Required Not classified as a substance requiring registration under REACH.



Note: This product is not classified as hazardous under CLP Regulation (EC) No. 1272/2008. Please refer to the product-specific Safety Data Sheet (SDS) for detailed handling information.

### COMPLIANCE



RoHS Compliant



Heavy Metals Compliant



Free from AZO Dyes



Complies with EN-71-3



**DISCLAIMER:** The information and recommendations contained herein are based on tests believed to be reliable. However, the buyer/user assumes all risk and liability resulting from the use of our products, whether used alone or in combination with other products. It is the user's responsibility to determine the suitability of our products for the user's intended purpose and application.  
**NOTE:** The technical data provided is typical values and is not intended to be used as a specification.

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