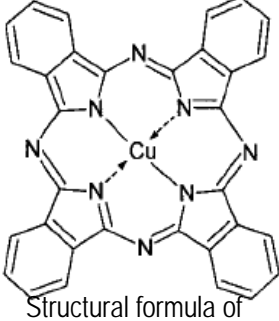


## Technical Data Sheet

### Product Information

Product Name	Hemfast Blue 15:3
Chemical Class	Copper Phthalocyanine Blue (Beta modification)
Colour Index Name	PIGMENT BLUE 15:3
Colour Index No	74160
CAS No.	147-14-8
EINECS/ELINCS No.	2056851
Molecular Weight	576
Hue	Dark Blue
Molecular Formula	$C_{32}H_{16}CuN_8$
Structural Formula	 <p style="text-align: center;">Structural formula of</p>

### Physical Properties

<b>Oil Absorption (ml/100gms)</b>	45±1
<b>Bulk Density</b>	0.30±0.02gms/cc
<b>Specific Gravity (20° C)</b>	1.50-1.54
<b>Solubility in Water</b>	Maximum 1%
<b>Residue on 325 Mesh-sieve</b>	Grit Content: <50ppm, Heavy Metal: <3ppm, Free Copper <50ppm
<b>Moisture Content</b>	1% max
<b>PH of 10%Aq.Slurry</b>	7.0 to 8.0
<b>Heat Stability</b>	Stable up to 225°C (As per Application)
<b>Dispersibility</b>	Excellent

## Technical Data Sheet

Fastness Properties (Scale of 1 to 5 where 1 = Poor & 5 = Excellent)

<b>Water</b>	5	<b>Toluene</b>	5
<b>Ethanol</b>	5	<b>MEK</b>	5
<b>Butanol</b>	5	<b>Mineral Turpentine</b>	4-5
<b>Acetone</b>	5	<b>Soap</b>	5
<b>Butyl Acetate</b>	4-5	<b>Wax</b>	4
<b>Ortho-Xylene</b>	3-4	<b>Alkalies NaOH</b>	5
<b>Methanol</b>	4-5	<b>Acids (HCL)</b>	5
<b>Cello Salt</b>	5	<b>Sterilization</b>	5

Oil/Plasticizer (Scale of 1 to 8 where 1 = Poor & 8 = Excellent)

<b>Linseed Oil</b>	8	<b>DOP</b>	6
<b>Castor Oil</b>	7	<b>DBP</b>	8
<b>DCO</b>	8	<b>Light Fastness</b>	8

### Application

<b>Printing Inks</b>	√
<b>Air Drying Paint</b>	√
<b>Decorative Paint</b>	√
<b>Plastics</b>	√
<b>Rubber</b>	√
<b>Textile Emulsion</b>	√
<b>Detergent</b>	√
<b>Paint Emulsion</b>	√
<b>Leather</b>	√