LIONOL BLUE ES

Chemical Group: Phthalocyanine  
Colour Index: PB15:6  
C.I. Number: 74160  
CAS Number: 147-14-8  
EC Number: 205-685-1

Registration  
MITI (Japan)  5-3299  
TSCA (USA) Registered

Application  
Automotive solvent  ☺  
Automotive water  ☺  
Industrial solvent  ☺  
Decorative solvent  ☺  
Decorative water  ☺  
Powder coatings  ☻  

Key Properties  
An epsilon form phthalocyanine blue pigment with a very bright reddish shade and high colour strength. Suitable for water based paints.

Application  
Recommmended ☺  
Suitable ☻

Physical Properties  
Bulk density (Kg/l) 0.19  
Specific surface area (m²/g) 69

Fastness Properties  
Water  5  
Xylene  5  
Ethanol  5  
Ethyl Acetate  5  
Acid (HCl 2%)  5  
Mineral Spirit  5  
Alkali (NaOH 2%)  5  
Resistance to solvent, acid & alkali: 1 to 5, 5 = Excellent

Light Fastness  
Full shade 8  
Reduced -1/10TiO₂ 7  
Assessment according to the Wool Scale (1-8)

Weatherability  
Artificial Solid Full dE=4.6  
Xenon 1/10TiO₂ dE=2.8  
1000 hours Metallics 3/1Al dE=6.4  
1/10Al dE=4.0

Heat Stability  
10’ - 150 °C 5  
10’ - 210 °C 5  
Assessment according to the Gray Scale (1-5)

Chemical Structure

Note: The information herein and concerning the materials supplied to user is based on our general experience and where applicable, on the results of tests of typical manufacture. However, because of many factors which are outside our knowledge and control which can affect the use of these products, we decline liability for any injury, loss or damage resulting from reliance upon such information.

TOYOCOLOR CO., LTD.  
Kyobashi EDOGRAND Bldg., 2-1, Kyobashi 2-chome, Chuo-ku, Tokyo, 104-8381 JAPAN  Tel +81 3 3272 3443  Fax +81 3 3272 3447  www.toyo-color.com

For a Vibrant World