



# Paramount Minerals and Chemicals Limited

(An ISO 9001:2008, ISO 14001:2004 & OHSAS18001:2007 Certified Company)

## DOLOCOAT H

*Optical Brightener for Water-borne Coatings & Water-borne Inks*

*Can also be used as an alternative in Solvent-borne Coatings & Inks*

<b>Chemical Description</b>	<b>Biphenyl Derivative</b>
<b>Formula</b>	<b>C<sub>28</sub>H<sub>20</sub>S<sub>2</sub>O<sub>6</sub>Na<sub>2</sub></b>
<b>Molecular Weight</b>	<b>562.60 (As per International relative Atom Mass 1997)</b>
<b>Max UV Absorption Spectrum</b>	<b>348um±1um</b>
<b>Ionicity</b>	<b>Anionic</b>
<b>Shade</b>	<b>Brilliant Bluish White Effect</b>
<b>Substantivity</b>	<b>Good. Compatible with a wide range of resins</b>
<b>Form supplied</b>	<b>Yellowish to very slightly Greenish Liquid</b>
<b>Odor</b>	<b>Characteristic</b>
<b>Density at 25 deg C</b>	<b>1.10-1.20 g/cm<sup>3</sup></b>
<b>pH value 1% aqueous solution at 25-30 deg C.</b>	<b>7.50-9.50</b>
<b>Recommended for Use</b>	<b>Water-borne Coatings &amp; Water-borne Inks. Can also be used for Solvent-borne Coatings &amp; Inks</b>
<b>Miscibility</b>	<b>g/100 grams solution at room temperature (25 deg C)</b>
<b>Acetone</b>	<b>0.60</b>
<b>Diocyladipate</b>	<b>5.80</b>
<b>Dioxane</b>	<b>1.40</b>
<b>DMF</b>	<b>&gt;50</b>
<b>Dowanol</b>	<b>&gt;50</b>
<b>Texanol</b>	<b>7.80</b>
<b>Water</b>	<b>&gt;50</b>

### Application

DOLOCOAT H is recommended for:

- waterborne white and pastel tone paints where it intensifies the degree of whiteness
- waterborne clear coats and overprint varnishes where it is used to mask the yellowish self colour and also to intensify the brilliance of white and coloured base coats

When DOLOCOAT H is used in combination with a UV absorber; the absorption spectrum of the latter must leave an open window in the near UVA for the optical brightener.

Due to Optical Brighteners' inherent light fastness properties DOLOCOAT H is recommended for indoor use only.

**Recommended Dosage**

**Clear coats and overprint varnishes a) 0.1 - 0.5% DOLOCOAT H**  
**White pigmented systems b) 0.5 - 3.0% DOLOCOAT H**

**Concentrations are based on percentage weight of a) binder solids or  
b) pigment and depend on degree of desired brightening effect**

**Package: In bulk 24 MT ISO Tanks, 250 kg palletized HDPE drums or  
in 1200 kg IBC**