



# **Paramount Minerals and Chemicals Limited**

(An ISO 9001- 2000 Certified Company)

## **Donawite HTSX Slurry**

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<b>Chemical Description</b>	<b>Derivative of 4,4'-distyryl biphenyl</b>
<b>Ionicity</b>	<b>Anionic</b>
<b>Shade</b>	<b>Neutral brilliant white</b>
<b>Substantivity</b>	<b>Good</b>
<b>Form supplied</b>	<b>Yellowish slurry</b>
<b>Density at 25 deg C</b>	<b>1.00-1.20 g/cm cube</b>
<b>pH value 1% aqueous solution at 25-30 deg C.</b>	<b>6.50-9.00</b>
<b>Miscibility</b>	<b>Can be mixed with water in all proportions. At temperatures of 20 deg C or less minimum 5 minutes mixing time is recommended to ensure complete dissolution.</b>
<b>Viscosity at 25 Deg C</b>	<b>Maxium 800 mPa.s</b>
<b>Storage stability</b>	<b>1 year. Donawite HTSX Slurry is stable at room temperature. At temperatures of less than 0 deg C. precipitation may occur, but the precipitate dissolves again on heating. This does not impair the effectiveness of the product.</b>
<b>Recommended for Use</b>	<b>Pigment coating. May be used at the wet end and size press as well but highly effective in pigment coatings. Requires lower co-binder levels compared to Stilbene OBAs. Anionic and cationic coating colours may be produced.</b>

### **Application in Pigment Coating**

**Donawite HTSX Slurry is suitable for medium to high whiteness coated offset and rotogravure papers. It may be used for coated wood containing and wood free grades. With co-binder like PVA excellent results are obtained.**

**Dosage level of Donawite HTSX Slurry is substantially lower compared to conventional Stilbene OBAs. This may be between 3-6 times less than the Stilbene grades.**

**Recommended dosage:**

**Wood containing paper – 0.10 to 0.20 parts**

**Wood free paper and board – 0.10 to 0.70 parts dependent on targeted whiteness**

**Like Stilbene based OBA co-binders like PVA, CMC and Starch are suitable for Donawite HTSX Slurry. However, unlike Stilbene OBAs the efficiency of Donawite HTSX slurry increases at lower co-binder levels. High whiteness in some cases may also be obtained without any co-binders but with use of rheological modifiers.**

**Toxicology**

**The PARAWHITE and Donawite brands have been subjected to extremely comprehensive toxicological tests. These show clearly that the products do not constitute a health hazard provided they are used for the recommended purpose and the usual safety precautions as specified in the regulations on health and safety at work are taken. The areas covered by the tests include acute and chronic toxicity, carcinogenicity mutagenicity, skin and mucous membrane compatibility and sensitisation. No harmful effect on fish has been observed at the concentrations occurring in water and effluent. Information on handling and on the ecological and toxicological behaviour is contained in the relevant safety data sheets.**