HISOL 501
Hydrophobic Alkali Swellable Associative Thickener

Product Description
HISOL 501 is APEO free HASE thickener for water base paints and inks. HISOL 501 has excellent pigment wetting properties. Compared to HEC, paints thickened with HISOL 501 show better Thickening effect and Thixotropic property. HISOL 501 offers excellent thickening efficiency in a wide range of paints and offers very good heat-aged stability, good scrub, washability resistance and excellent color acceptance performance.

Main Advantages
◇ Paints thickened with HISOL 501 thickener show good syneresis and settling resistance in long term storage, and less color floating problem when drying.
◇ Paint thickened with HISOL 501 thickener shows good KU viscosity and better thixotropic property compared to that thickened with HEC.
◇ Paints thickened with HISOL 501 thickener are highly resistant to attack by microbes and their enzymes. There by eliminating viscosity loss.
◇ Paints thickened with HISOL 501 thickener are less costly to achieve the same viscosity compared to that thickened with HEC.
◇ Paints thickened with HISOL 501 thickener exhibit no remarkable viscosity change in long term storage. Also it is stable under tropical and freeze-thaw condition.

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Appearance</td>
<td>White milky liquid</td>
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<tr>
<td>Solid content</td>
<td>34 - 36% by wt.</td>
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<tr>
<td>Viscosity</td>
<td>60cPs Max (at 25°C Brookfield viscometer)</td>
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<tr>
<td>Specific Gravity</td>
<td>CA 1.052(at 25°C)</td>
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<td>p H</td>
<td>2.5 – 4.5</td>
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<tr>
<td>Ionic charge</td>
<td>Anionic</td>
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<tr>
<td>Surfactant</td>
<td>APEO Free</td>
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Safety and Handling
HISOL 501 is slightly irritating to the skin and eyes. Avoid contact with skin and eye. When handling wear impervious rubber gloves and...
goggles/Face mask.
For handling/operation where possible contact may occur, a safety shower and eye wash station/facility should be available.

Further detailed information can be found in the MSDS.
Store in closed container at 5°C - 40°C.

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**Packing**

200KGs Plastic Drum

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When handling these products, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

**Note** The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are
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