Rheological Additive for Organic Systems Based on Non-Polar Solvents

GENERAL INFORMATION

POST-4™ is a castor based additive designed to be added to the let-down of a paint to boost viscosity and sag resistance. It is primarily designed for non-aqueous aliphatic coatings systems. The ability to be post added, allows the POST-4 to be used as a post corrective agent for addition to finished batches of paint in need of flow correction and/or pigment suspension enhancement.

PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Composition</th>
<th>a complex organic derivative of castor oil</th>
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<tbody>
<tr>
<td>Color / Form</td>
<td>light amber / liquid</td>
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<tr>
<td>Density at 25°C</td>
<td>1.05 g/cm³</td>
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</tbody>
</table>

APPLICATIONS

- Alkyd paints
- Other industrial aliphatic systems

KEY PROPERTIES

POST-4 rheological additive

• increases sag control
• reduces settling of pigments and extenders
• minimal effect on gloss and appearance
• contributes to pigment wetting when introduced in the grind stage
• may be used as a polar activator for BENTONE® rheological additives
• can be used at any point in the paint manufacturing process
• does not affect flexibility or dry time
• has excellent package stability

INCORPORATION

POST-4 additive can be introduced at room temperature and there are no temperature limits using conventional paint making practices. The addition of POST-4 additive is simple and can be made at any point during the manufacturing process (added with the pigment in the mill base or by stirring into the completed paint). Positive sag control and excellent pigment suspension are achieved by any method of addition.

LEVELS OF USE

The optimum level will vary depending on the type system. A typical starting level for POST-4 additive is 0.4%-0.8% by weight of the paint composition.

POST-4 additive confers sag and suspension control more or less in proportion to the amount used. However, above a certain level, further addition contributes little or nothing to viscosity development. Apparent viscosity increase may be nil or slight depending on the particular paint involved.

NOTE: POST-4 additive is NOT recommended for use in aluminium or zinc dust containing paints due to the possibility of gassing.

REGULATORY

For the most current regulatory status, please refer to the MSDS for POST-4. It may be viewed and downloaded from our website at: www.elementisspecialties.com

HANDLING AND SAFETY

More detailed information on handling and safety for each product is included in the relevant material safety data sheet, available for each product.
STORAGE RECOMMENDATIONS
POST-4 should be kept in a cool, dry location. Avoid storage below 4 °C (40 °F). DO NOT FREEZE

PACKAGING
POST 4 rheological additive is available in pails and drums. Please contact your local Elementis Specialties representative for the packaging weights available in your region.

SHELF LIFE
POST-4 has a shelf life of 4 (four) years from date of manufacture.

PRODUCT NUMBER
10858

QUALITY ASSURANCE
Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.