FUNCTIONAL V-498
TACKIFIER FOR FOOD GRADE LUBRICANTS AND GREASES

APPLICATION:
FUNCTIONAL V-498 is an additive that confers a tack or stringiness to a lubricant. FUNCTIONAL V-498 is useful in spindle lubricants for textile machinery due to its light color. FUNCTIONAL V-498 may also be used to provide adherence in way oils, chain lubricants, stringiness in greases and aerosol resistance in mist or pneumatic-system lubricants. FUNCTIONAL V-498 is NSF registered as a lubricant for use in food-processing plants where incidental food contact may occur.

COMPOSITION:
The active ingredient in FUNCTIONAL V-498 is a high molecular weight polyisobutylene. The diluent in FUNCTIONAL V-498 is white oil.

<table>
<thead>
<tr>
<th>Typical properties</th>
<th>Value</th>
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<tbody>
<tr>
<td>Specific Gravity</td>
<td>0.86</td>
</tr>
<tr>
<td>Lbs per Gallon</td>
<td>7.10 - 7.25</td>
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<tr>
<td>Flash Point</td>
<td>135°C (275°F)</td>
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<tr>
<td>Kinematic Viscosity</td>
<td>3000-5000 cSt @ 100°C</td>
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<tr>
<td>Color</td>
<td>Colorless, Clear</td>
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TREATMENT LEVEL:
Treatment levels may vary: spindle oil - 0.1% to 0.5%, way lubes - 0.25% and chain lubes - 0.25% to 1.0%. To minimize hydrocarbon aerosol escape from mist-lubricated and pneumatic equipment requires approximately 0.5%. The treatment level for greases is best determined by the formulator.

HANDLING:
Due to the viscosity of FUNCTIONAL V-498, elevated temperature (about 150°F or 65°C) can facilitate handling, but temperatures over 200°F (95°C) should be avoided. Safe handling precautions are the same as those to be taken with the base oil; see the current Safety Data Sheet. When using FUNCTIONAL V-498 avoid mechanical shear during blending and handling. FUNCTIONAL V-422 is recommended for moderate shear applications.

Nonfood Compounds
Program Listed
Category Codes: HX-1 and HX-2
Registration No. 133062

This Technical Data Sheet and the Safety Data Sheet contain information believed to be accurate and reliable. No warranty is made, however, to information beyond the control of FUNCTIONAL PRODUCTS INC. The engineering and management personnel of the user are responsible for determining the suitability of this or any product for any specific application, and this information is offered to them for that purpose.

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