STRUKTOL® TR 071
PROCESSING ADDITIVE
COMPOUNDING AID

COMPOSITION
A fatty acid metal salt and a unique amide structure.

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>TYPICAL VALUES</th>
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<tbody>
<tr>
<td>Appearance</td>
<td>Light tan beads or pastilles</td>
</tr>
<tr>
<td>Dropping Point (°C)</td>
<td>110 - 120</td>
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<tr>
<td>Physiological Behavior</td>
<td>Refer to safety data sheet</td>
</tr>
<tr>
<td>Storage Stability</td>
<td>At least 2 years under normal storage conditions</td>
</tr>
<tr>
<td>Packaging</td>
<td>25 kg. PE bags</td>
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</tbody>
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RECOMMENDATIONS FOR APPLICATION
STRUKTOL® TR 071 contains a combination of a fatty acid metal salt and a unique amide structure. In this regard, it is similar to STRUKTOL® TR 016, except the calcium ion in STRUKTOL® TR 016 is replaced by a zinc ion in STRUKTOL® TR 071. The amide has hydrogen-bonding capability, which enables it to act as a physical "coupling agent" between the polymer and a range of filler systems.

It can wet both polar and non-polar fillers, making it a valuable blending aid for high-filled systems, as well as an excellent internal lubricant at process temperatures. STRUKTOL® TR 071 has shown particular efficiency with flame retarded, high impact polystyrene compounds and selected brominated compounds for flame retarding applications.

ADDITION LEVELS
Because of the high solubility in styrene polymers, 1 - 2% is recommended.

FDA STATUS
STRUKTOL® TR 071 is sanctioned for use by the Food and Drug Administration (FDA) in a number of applications, listed in the following sections of Title 21 of the Code of Federal Regulations:

- 175.105 Adhesives
- 175.300 Resinous and polymeric coatings
- 176.170 Components of paper and paperboard in contact with aqueous and fatty foods
- 176.180 Components of paper and paperboard in contact with dry food
- 176.200 Defoaming agents used in coatings
- 177.2600 Rubber articles intended for repeated use
- 178.2010 Antioxidants and/or stabilizers for polymers
- 178.3910 Surface Lubricants used in the manufacture of metallic articles
- 182.8994 Zinc Stearate

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