TECHNICAL DATA

**STRUKTOL® TR 451**

**PROCESSING ADDITIVE**

**COMPOSITION**
An optimized blend of special oleo chemicals.

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>TYPICAL VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>tan pastilles</td>
</tr>
<tr>
<td>Dropping Point (°C)</td>
<td>62 - 76</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.99</td>
</tr>
<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>55 lb. bags</td>
</tr>
</tbody>
</table>

**RECOMMENDATIONS FOR APPLICATION**

STRUKTOL® TR 451 is specifically designed for use in highly loaded mineral filled polyolefins. This unique additive allows compounders to utilize untreated minerals while maintaining or improving the processing and physical property characteristics typically associated with treated minerals. In addition, compounders using TR 451 may be able to increase filler loadings without sacrificing processability, stability or physical properties.

**DOSAGE**

0.2 – 1% of total compound

**FDA STATUS**

STRUKTOL® TR 451 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:

- 172.615 Chewing gum base
- 172.860 Fatty acids
- 175.105 Adhesives
- 175.300 Resinous and polymeric coatings
- 176.170 Compounds of paper and paperboard in contact with aqueous and fatty foods
- 176.210 Defoaming agents used in the manufacture of paper and paperboard
- 177.1400 Hydroxyethyl cellulose film, water insoluble
- 177.1580 Polycarbonate resins
- 177.2420 Polyester resins, cross-linked
- 178.2010 Antioxidants and/or stabilizers for polymers
- 178.3860 Release agents
- 184.1090 Stearic Acid

(12/05/2013)DAB/JDC/MSF/rca

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