STRUKTOL® TR 016
PROCESSING AGENT FOR PLASTIC COMPOUNDS

COMPOSITION
A blend of fatty acid metal soap and an amide.

<table>
<thead>
<tr>
<th>PROPERTIES</th>
<th>TYPICAL VALUES</th>
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<tbody>
<tr>
<td>Appearance</td>
<td>Pale yellow beads, pastille or powder</td>
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<tr>
<td>Dropping Point (°C)</td>
<td>96 - 108</td>
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<tr>
<td>Specific Gravity</td>
<td>0.98</td>
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<tr>
<td>Physiological Behavior</td>
<td>Refer to safety data sheet</td>
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<tr>
<td>Storage Stability</td>
<td>At least 2 years under normal storage conditions</td>
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<tr>
<td>Packaging</td>
<td>55 lb. (25 kg.) PE bags</td>
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RECOMMENDATIONS FOR APPLICATION
The amide of STRUKTOL® TR 016 has sites available for hydrogen bonding, and is therefore able to act as a physical coupling agent between polymer systems and a range of filler materials. This permits STRUKTOL® TR 016 to act as an efficient blending or dispersing agent in highly filled systems, providing a more uniform and homogenous initial mix. At processing conditions, STRUKTOL® TR 016 is an effective internal lubricant for the polyolefins, PVC, PS, ABS and many of the TPO systems.

Application areas recommended for STRUKTOL® TR 016 in highly-filled systems include TPEs and TPO compounds, filled olefins, flame retarded polymers and color concentrate materials. In addition, STRUKTOL® TR 016 can be useful in those standard unfilled polymers where reduced viscosity and improved flow are desirable at processing conditions. In many systems, better surface appearance and lower and more uniform mold shrinkage will be seen. Physical property losses are quite small for most compounds at normal addition levels of STRUKTOL® TR 016.

Benefits of STRUKTOL® TR 016 include:
- Improved flow at processing temperatures
- Better surface appearance
- Easier mold release in many systems
- Better dispersion of fillers and additives
- Non-blooming properties

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TECHNICAL DATA

ADDITION LEVELS

0.25 - 1.0%

FDA STATUS

STRUKTOL® TR 016 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:

- 173.340  Defoaming agents
- 175.105  Adhesives
- 175.300  Resinous and polymeric coatings
- 175.320  Resinous and polymeric coatings for polyolefin film
- 176.170  Components of paper and paperboard in contact with aqueous and fatty foods
- 176.200  Defoaming agents used in coatings
- 176.210  Defoaming agents used in the manufacture of paper and paper board
- 177.1200 Cellophane
- 177.2260 Filters, resin-bonded
- 177.2410 Phenolic resins in molded articles
- 177.2600 Rubber articles intended for repeated use
- 178.2010 Antioxidants and/or stabilizers for polymers
- 178.3860 Release agents
- 181.29  Stabilizers
- 184.1229 Calcium stearate

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