



STRUKTOL[®] TR 071

**PROCESSING ADDITIVE
COMPOUNDING AID**

COMPOSITION

A fatty acid metal salt and a unique amide structure.

PROPERTIES

Appearance	light tan beads or pastilles
Dropping Point (°C)	110-120
Physiological Behavior	refer to safety data sheet
Storage Stability	at least 2 years under normal storage conditions
Packaging	25 kg. PE bags

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.

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TECHNICAL DATA

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:

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

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