



# **STRUKTOL<sup>®</sup> TR 071**

**PROCESSING ADDITIVE  
COMPOUNDING AID**

## **COMPOSITION**

A fatty acid metal salt and a unique amide structure.

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## **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<sup>®</sup> TR 071 contains a combination of a fatty acid metal salt and a unique amide structure. In this regard, it is similar to STRUKTOL<sup>®</sup> TR 016, except the calcium ion in STRUKTOL<sup>®</sup> TR 016 is replaced by a zinc ion in STRUKTOL<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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:

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

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