



# Struktol Company of America

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# TECHNICAL DATA

## **STRUKTOL<sup>®</sup> TR 131**

**SLIP AGENT  
LUBRICANT  
DISPERSANT  
MOLD RELEASE AGENT**

### **COMPOSITION**

Unsaturated primary amide derived from erucic acid.

<b>PROPERTIES</b>	<b>TYPICAL VALUES</b>
Appearance	Off-white beads or pastilles
Amide Content (%)	99
Acid Value	3
Gardner Color	4
Iodine Value	78
Melting Point (°C)	79 - 85
Specific Gravity	0.93
Physiological Behavior	Refer to safety data sheet
Storage Stability	At least 2 years under normal storage conditions
Packaging	55 lb. PE bags

### **RECOMMENDATIONS FOR APPLICATION**

STRUKTOL<sup>®</sup> TR 131 is mainly used as a slip agent in polyolefin films, reducing the coefficient of friction. It is the agent of choice at higher extrusion temperatures because of its high heat stability and slower rate of migration to the surface compared with oleamides.

The slower rate of migration is also an advantage when films are printed, sealed or laminated shortly after extrusion. Its low odor makes it extremely suitable for food contact applications.

STRUKTOL<sup>®</sup> TR 131 is also used as a release agent in various polymer systems, and as a dispersant in color concentrates and printing inks. In PVC plastisols for screw closures, it reduces the torque and facilitates release.

STRUKTOL<sup>®</sup> TR 131 is also used as a process aid or lubricant in thermoplastic elastomers (TPEs), thermoplastic resins and thermoset rubber systems. The properties it imparts to the surface may assist in subsequent operations such as parts assembly.

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### **ADDITION LEVELS**

Plastics	0.05 – 0.5%
PVC	0.3 – 0.5 %
Elastomers	1 – 3 phr

### **FDA STATUS**

STRUKTOL<sup>®</sup> TR 131 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>177.1350</b> Ethylene-vinyl acetate copolymers
<b>176.180</b> Components of paper and paperboard in contact with dry food	<b>178.3860</b> Release agents (Polymeric resins and petroleum waxes)
<b>177.1200</b> Cellophane	<b>179.45</b> Packaging material for use during the irradiation of prepackaged foods

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