



STRUKTOL[®] TR 016

PROCESSING AGENT FOR PLASTIC COMPOUNDS

COMPOSITION

A blend of fatty acid metal soap and an amide.

PROPERTIES	TYPICAL VALUES
Appearance	Pale yellow beads, pastille or powder
Dropping Point (°C)	96 - 108
Specific Gravity	0.98
Physiological Behavior	Refer to safety data sheet
Storage Stability	At least 2 years under normal storage conditions
Packaging	55 lb. (25 kg.) PE bags

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	177.2410	Phenolic resins in molded articles
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
175.320	Resinous and polymeric coatings for polyolefin film	178.3860	Release agents
176.170	Components of paper and paperboard in contact with aqueous and fatty foods	181.29	Stabilizers
176.200	Defoaming agents used in coatings	184.1229	Calcium stearate
176.210	Defoaming agents used in the manufacture of paper and paper board		
177.1200	Cellophane		
177.2260	Filters, resin-bonded		

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