



# Struktol Company of America

201 E. Steels Corners Road • P. O. Box 1649  
Stow, Ohio 44224-0649 • www.struktol.com  
Phone (330) 928-5188 • Fax (330) 928-8726

# TECHNICAL DATA

## STRUKTOL® CALCIUM STEARATE

### COMPOSITION

STRUKTOL® Calcium Stearate is a high purity, non-wettable, calcium stearate powder manufactured with high quality stearic acid. During manufacture, the particle size, shape, bulk, and purity of STRUKTOL® Calcium Stearate are closely controlled to guarantee product uniformity.

### TYPICAL PROPERTIES

Appearance	powder
Ash (% max.)	10.5
Free Fatty Acid (% max.)	1.0
Melting Point (°C)	150
Moisture (% max.)	4.0
Particle Size (% thru 200 mesh)	90
Specific Gravity	1.01
Storage Stability	unlimited in a cool dry area
Packaging	50 lb. paper bag

### RECOMMENDATIONS FOR APPLICATIONS

STRUKTOL® Calcium Stearate is used by the rubber and plastic industries as an effective elastomer processing aid and release agent. The low chloride content of STRUKTOL® Calcium Stearate allows for complete product dispersion in elastomers.

STRUKTOL® Calcium Stearate reduces extruder pressure build-up of rigid PVC compounds when used as a processing aid during the manufacture of pipe, siding and injection molded fittings.

The low chloride content of STRUKTOL® Calcium Stearate meets the quality and processing demands of polyolefin, polystyrene and polyester manufacture.

STRUKTOL® Calcium Stearate can also be used as a processing aid in wire drawing operations, and as an anti-caking additive in dry blending operations.

Some of the benefits of using STRUKTOL® Calcium Stearate are:

- **LOW DUST** Controlled particle size during manufacture significantly reduces fines and virtually eliminates work area dust problems.
- **EASY HANDLING** Eliminates bridging or caking while facilitating use in any type of packaging, bulk handling or conveying system.
- **LOW IMPURITY** Reduces extruder pressure build-up and minimizes fiber breakage during extrusion and spinning.
- **COLOR STABILITY** High-purity and a unique manufacturing process give this product extreme heat resistance to prevent discoloration and haze formation.

### DOSAGE

0.3 - 3 parts

-over-



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### FDA STATUS

STRUKTOL<sup>®</sup> Calcium Stearate 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>173.340</b>	Defoaming agents	<b>177.2410</b>	Phenolic resins in molded articles
<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>175.320</b>	Resinous and polymeric coatings for polyolefin films	<b>181.29</b>	Stabilizers
<b>176.170</b>	Components of paper and paperboard in contact with aqueous and fatty foods	<b>184.1229</b>	Calcium stearate
<b>176.200</b>	Defoaming agents used in coatings		
<b>176.210</b>	Defoaming agents used in the manufacture of paper and paperboard		
<b>177.1200</b>	Cellophane		
<b>177.2260</b>	Filters, resin-bonded		

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