



# STRUKTOL<sup>®</sup> CALCIUM STEARATE GR

## COMPOSITION

STRUKTOL<sup>®</sup> Calcium Stearate GR is a high purity, non-wettable, calcium stearate granule.

## TYPICAL PROPERTIES

Appearance	Granule
Ash (% , max.)	10.5
Free Fatty Acid (% , max.)	1.0
Melting Point (°C)	155
Moisture (% , max.)	2.5
Specific Gravity	1.01
Storage Stability	Unlimited in a cool dry area
Packaging	55 lb. bag

## RECOMMENDATIONS FOR APPLICATIONS

STRUKTOL<sup>®</sup> Calcium Stearate GR is an effective processing aid and release agent. The low chloride content of STRUKTOL<sup>®</sup> Calcium Stearate GR allows for complete product dispersion in elastomers.

STRUKTOL<sup>®</sup> Calcium Stearate GR 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<sup>®</sup> Calcium Stearate GR meets the quality and processing demands of polyolefin, polystyrene and polyester manufacture.

Some of the benefits of using STRUKTOL<sup>®</sup> Calcium Stearate GR are:

- **LOW DUST** Controlled granule size during Manufacture 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.

- over -



# 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

## DOSAGE

<b>Injection</b>	V-SS	0.7 – 1.0 phr	<b>Extrusion</b>	V-SS	0.7 – 1.0 phr
<b>Molding</b>	V-PEAS	0.3 – 0.5 phr	<i>(Opaque)</i>	V-PEAS	0.3 – 0.7 phr
<i>(Opaque)</i>	Calcium Stearate*	0.7 – 1.0 phr		Calcium Stearate	0.7 – 1.0 phr
	V-DSP	0.7 – 1.2 phr		V-DSP	0.7 – 1.2 phr
	165 Wax	0.3 – 0.5 phr		165 Wax	0.3 – 0.7 phr
	Calcium Stearate*	0.5 – 0.7 phr		Calcium Stearate	0.5 – 1.0 phr
	V-HRW	0.7 – 1.5 phr		V-HRW	0.7 – 1.0 phr
	V-Peas or VLB-602	0.3 – 0.75 phr		V-Peas	0.3 – 0.75 phr
	Oxidized HDPE	0.07 – 0.15 phr		Oxidized HDPE	0.07 – 0.15 phr
	Calcium Stearate*	0.3 – 1.0 phr		Calcium Stearate	0.3 – 1.0 phr
	*Note: Reduce Calcium Stearate as much as possible for improved flow.			V-SSE	0.7 – 1.0 phr
				VLB-602	0.4 – 0.8 phr
				Calcium Stearate	0.7 – 1.0 phr
<b>Calendering</b>	V-HRW	0.7 – 1.5 phr			
<i>(Opaque)</i>	VLB-602	0.5 – 0.75 phr			
	Oxidized HDPE	0.07 – 0.15 phr			
	Calcium Stearate	0.3 – 0.75 phr			
	V-HRW	0.7 – 1.5 phr			
	V-Peas LA	0.3 – 0.6 phr			
	Oxidized HDPE	0.07 – 0.15 phr			
	Calcium Stearate	0.3 – 0.75 phr			

## FDA STATUS

STRUKTOL® Calcium Stearate GR 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>177.1200</b>	Cellophane
<b>175.105</b>	Adhesives	<b>177.2260</b>	Filters, resin-bonded
<b>175.300</b>	Resinous and polymeric coatings	<b>177.2410</b>	Phenolic resins in molded articles
<b>175.320</b>	Resinous and polymeric coatings for polyolefin films	<b>177.2600</b>	Rubber articles intended for repeated use
<b>176.170</b>	Components of paper and paperboard in contact with aqueous and fatty foods	<b>178.2010</b>	Antioxidants and/or stabilizers for polymers
<b>176.200</b>	Defoaming agents used in coatings	<b>181.29</b>	Stabilizers
<b>176.210</b>	Defoaming agents used in the manufacture of paper and paperboard	<b>184.1229</b>	Calcium Stearate

STRUKTOL® Calcium Stearate GR meets the requirements of PPI-TR3 and NSF Standard 14 for potable water.