



STRUKTOL[®] CALCIUM STEARATE GR

COMPOSITION

STRUKTOL[®] Calcium Stearate GR is a high purity, non-wettable, calcium stearate granule.

PROPERTIES	TYPICAL VALUES
Appearance	White 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	50 lb. bag

RECOMMENDATIONS FOR APPLICATIONS

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

STRUKTOL[®] 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[®] Calcium Stearate GR meets the quality and processing demands of polyolefin, polystyrene and polyester manufacture.

Some of the benefits of using STRUKTOL[®] 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.

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Struktol Company of America

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TECHNICAL DATA

DOSAGE

Injection	V-SS	0.7 – 1.0 phr
Molding	V-PEAS	0.3 – 0.5 phr
<i>(Opaque)</i>	Calcium Stearate GR*	0.7 – 1.0 phr

V-DSP	0.7 – 1.2 phr
165 Wax	0.3 – 0.5 phr
Calcium Stearate GR*	0.5 – 0.7 phr

V-HRW	0.7 – 1.5 phr
V-Peas or VLB-602	0.3 – 0.75 phr
Oxidized HDPE	0.07 – 0.15 phr
Calcium Stearate GR*	0.3 – 1.0 phr

*Note: Reduce Calcium Stearate as much as possible for improved flow.

Calendering	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 GR	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 GR	0.3 – 0.75 phr

Extrusion	V-SS	0.7 – 1.0 phr
<i>(Opaque)</i>	V-PEAS	0.3 – 0.7 phr
	Calcium Stearate GR	0.7 – 1.0 phr

V-DSP	0.7 – 1.2 phr
165 Wax	0.3 – 0.7 phr
Calcium Stearate GR	0.5 – 1.0 phr

V-HRW	0.7 – 1.0 phr
V-Peas	0.3 – 0.75 phr
Oxidized HDPE	0.07 – 0.15 phr
Calcium Stearate GR	0.3 – 1.0 phr

V-SSE	0.7 – 1.0 phr
VLB-602	0.4 – 0.8 phr
Calcium Stearate GR	0.7 – 1.0 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:

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

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