



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

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TECHNICAL DATA

FDA STATUS

STRUKTOL[®] 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:

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 films	181.29	Stabilizers
176.170	Components of paper and paperboard in contact with aqueous and fatty foods	184.1229	Calcium stearate
176.200	Defoaming agents used in coatings		
176.210	Defoaming agents used in the manufacture of paper and paperboard		
177.1200	Cellophane		
177.2260	Filters, resin-bonded		

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