



STRUKTOL[®] MAGNESIUM STEARATE

COMPOSITION

STRUKTOL[®] Magnesium Stearate is a high purity stearate with a low soluble salt level that reduces discoloration during processing. During manufacture, the particle size, shape, bulk, and purity of STRUKTOL[®] Magnesium Stearate are closely controlled to guarantee product uniformity.

| PROPERTIES | TYPICAL VALUES |
|-------------------------------|------------------------------|
| Appearance | White powder |
| Ash (% , max.) | 3.0 |
| Free Fatty Acid (% , max.) | 4.0 |
| Iodine Value (max.) | .5 |
| Magnesium Content | 4.0 - 4.8 |
| Melting Point (°C) | 125 - 145 |
| Moisture (% , max.) | 4.0 |
| Residue (% on 325 mesh, max.) | 0.5 |
| Water Soluble Salt (% , max.) | 1.0 |
| Storage Stability | Unlimited in a cool dry area |
| Packaging | 44 lb. paper bag |

RECOMMENDATIONS FOR APPLICATIONS

STRUKTOL[®] Magnesium Stearate is used by the rubber and plastic industries as an effective elastomer processing aid and release agent. It is an excellent dusting agent to prevent surface adhesion in ABS plastic and in other thermoplastics with minimal discoloration.

DOSAGE

0.3 - 3 parts

- over -



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TECHNICAL DATA

FDA STATUS

STRUKTOL[®] Magnesium 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 | 177.1200 | Cellophane |
| 175.300 | Resinous and polymeric coatings | 177.2260 | Filters, resin-bonded |
| 175.320 | Resinous and polymeric coatings for polyolefin films | 178.3910 | Surface lubricants used in the manufacture of metallic articles |
| 176.170 | Components of paper and paperboard in contact with aqueous and fatty foods | 181.29 | Stabilizers |
| 176.200 | Defoaming agents used in coatings | 184.1440 | Magnesium stearate |

(05/12/2016)/rca

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