

## TECHNICAL DATA SHEET:

### Stearates - Technical Grade



Material Sciences

#### Stearates - Technical Grade - 935-G - Zinc GP Veg

**935-G** is a general purpose grade of zinc stearate. Zinc stearate can perform the following functions in formulations; lubricant, acid scavenger, coupling agent, waterproofing agent, viscosity modifier and flattening agent. Zinc stearates are used in the production of color concentrates, fiberglass reinforced polyesters, phenolic resins and compounds, polyolefins, polystyrene, PVC, coatings, varnishes, sanding sealers, rubber articles and compositions and in metal forming operations such as, stamping, extrusion or milling.

**BSI Code:** 935-G

**Description:** GP

**Grade:** Vegetable

**C.A.S. Number:** 557-05-1

**Storage Life:** 24 months from date of manufacture in the original sealed container at ambient temperature. Store away from excessive heat and humidity.

**Handling Precautions:** Please refer to the Zinc Stearate Safety Data Sheet.

#### TYPICAL PROPERTIES

|                         |             |
|-------------------------|-------------|
| Oxide (%)               | 13.5 - 14.2 |
| Moisture (max %)        | 1.0         |
| Free Fatty Acid (max %) | 1.0         |
| Bulk Density (g/ml)     | 0.26 - 0.36 |
| Melting Point (°C)      | 118 - 122   |
| % Thru 200 Mesh         | 99.5        |

#### CFR REFERENCES:

935-G Zinc Stearate is suitable for use in food packaging applications in accordance with the following FDA Code of Federal Regulations:

**21CFR175.105** - Adhesives.

**21CFR175.300** - Resinous and polymeric coatings (xxii).

**21CFR176.170** - Components of paper and paperboard in contact with aqueous and fatty foods.

**21CFR176.180** - Components of paper and paperboard in contact with dry food.

**21CFR177.1900** - For use as a lubricant in urea-formaldehyde resins in molded articles.

**21CFR177.2410** - For use as a lubricant in phenolic resins in molded articles.

**21CFR177.2600** - For use as an activator in rubber articles intended for repeated use.

**21CFR178.2010** - Antioxidants and/or stabilizers for polymers.

**21CFR182.8994** - Zinc Stearate.

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