



**Pentagon Chemicals**

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### PRODUCT : ZINC STEARATE

**Formula** : (C17H35COO)2Zn  
**Mol. Weight** : 632  
**AS Registry No.** : 557-05-1  
**Merck Index No.** : 10292 (12tn Edition)  
**Beilstein Reference** : 4-02-00-01206

Zinc (Di) Stearate is a zinc soap that repels water , insoluble in alcohol ether , soluble in benzene. Zinc Stearate is produced by PENTAGON CHEMICALS at it's most modern manufacturing facility and strict quality standards are observed.

Zinc Stearate produced by us is available in free flowing granular and fine white powder form and is produced in several grades according to end application requirements. A premium TCG grade with HIGH HEAT STABILITY and MOLTEN CLARITY is available for polystyrene , sheet molding compound (SMC/DMC) FRP and master batch manufacturing industries. Likewise , many different grades with varying bulk density from 110 gm/ltr to 400 gm/ltr are available with other varying parameters according to application specific requirements. Available grades are Zinc Stearate -NRML, Zinc Stearate ZS H-SPL , Zinc Stearate ZS TCG. .

Zinc Stearate (Zinc Stearate) is highly recommended as drying lubricant & dusting agent for rubber. In cosmetics (Talcum powders), ointments & pharmaceutical powders. As plastic mold release agent, As waterproofing agent for concrete; rock wool; paper; cement paints, textiles. In PVC / HDPE / LD masterbatches. As flattening and sanding agent in lacquers. In tablet manufacturing etc.

#### **APPLICATIONS:**

- Rubber & EVA sheets as an internal lubricant and for dusting.
- For coating on chemicals etc. for free-flow and moisture resistance.
- For PVC, HDPE and other polymers/plastics.
- Speciality polymer composites

### **ZINC STEARATE (PURE)**

#### **TYPICAL PHYSIOCHEMICAL PROPERTIES**

Appearance	: White Powder
Molecular Weight	: 632
Specific Gravity	: 1.095
Ash Content	: 13 – 15%
Zinc Content	: 10.45 – 12%
Melting Point °C	: 118-121
Melt Quality	: Clear & Transparent
Moisture Content	: 0.5% max
Moisture (105°C) 2 %	<1.0
Bulk Density, Free Flowing	: 0.25 -0.35gm/ml
Particle Size (240 mesh)	: 99% min
Free Stearic Acid	: 1% max
Electrolytes %	: <0.2
pH (2% aq. solution) 4 --	: 5.5 -6.5
Free Fatty Matter %	: <0.5
Residue on 300 mesh 5 %	: <0.1

Packing : 25 kg HDP Bag with Liner

- 1) At the time of packing 2) By IR Moisture Balance 3) IS: 7589-1974 (A-8) 4) IS: 12076-1986(A-2) 5) IS: 2850-1983 (A-5.1)

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