



# **Paramount Minerals and Chemicals Limited**

(An ISO 9001- 2000 Certified Company)

# **JOSTAR E**

## **ZINC STEARATE**

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**Physical & Chemical Properties**

Appearance	White fine powder
Molecular formula	[CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> CO <sub>2</sub> ] <sub>2</sub> Zn OR C <sub>36</sub> H <sub>70</sub> ZnO <sub>4</sub>
Merck Index No	10292 (12 <sup>th</sup> edition)
Einecs number	216-472-8
Molecular weight	632.33
Melting point	120-124 deg C.
Solubility	insoluble in Water, Ethanol and Ether
Moisture content	Less than 2%
Total ash content	Between 14-16%
Free Stearic acid	Less than 3.0%
Zinc content as ZnO	13-15%
Bulk density	0.10 Gm/CC approx
Fineness through 240 mesh	99% passes
pH	6.5-7.5

**Uses**

Rubber: As a mould releasing agent. Used as dusting powders to prevent sticking of unvulcanised rubber sheet. As an additive in rubber compounds to improve flow and dispersion of vulcanizing agent through the compound.

Plastics: Internal lubricants and mould release agents for Polystyrene, Phenolics, Polyolefins, Nylon, Melamine, Master Batches

Polyester (SMC/DMC): Lubricant and mould release

Abrasives: As a component in the coating of abrasive papers and sanding sealers

Coatings: As a flattening agent in certain Paints, Varnishes and Lacquers

Printing inks: Acts as dulling agent

PVC Compounds: Jostar E is a mild stabilizer and cannot be used alone, mixtures with other Stabilizers particularly Alkaline Earth Metal Stearates with Epoxy Stabilizer is quite effective. This is non toxic and non sulphur staining. Hence blends with Dolocal D are specially useful in non toxic FDA approved compounds.