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Zinc Stearate

Introduction

Zinc Stearate is widely used as a release agent in different plastics like PVC, PP, PE. Used in petrochemical and also plastic compounding. It is widely used in CSB as well.

Formula: C₃₆H₇₀O₄Zn

CAS NO.:557-05-1

synonyms: Zinc Stearate SW Baerlocher, Calcium Stearate TW FACI

Properties

Product Name	Zinc Stearate	Model	Petrochemical Grade
Item	Index		
Appearance	White Powder		
Zinc Content (%)	10.3- 11.3		
Melting Point (C)	118- 125		
Free Fatty Acid (%)	≤0.8		
Moisture (%)	≤0.8		
Fineness (mesh)	200 mesh (98% passed)		
Bulk Density (g/L)	230~300g/l		

Application

Zinc Stearate is widely used as a release agent for the production of many kinds of objects: rubber, polyurethane, polyester processing system, and powder metallurgy. These applications exploit its “non-stick” properties. In cosmetics, zinc stearate is a lubricant and thickening agent used to improve texture

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It is an “activator” for accelerated rubber sulfur vulcanization. As discovered in the early days of vulcanization, zinc has a beneficial effect on the reaction of sulfur with polyolefin. Stearate is a form of zinc that is highly soluble in the nonpolar medium of polyolefins.

Being lipophilic, it functions as a phase transfer catalyst for the saponification of fats.

Safety

Zinc Stearate is a non-toxic, environmentally friendly product, good biodegradable, and approved for application in food indirect contact packaging materials.

Package

25kg/bag, 500kg/pallet, 40 pallets, and 20 tons in total (40ft container)

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