CALCIUM STEARATE

CAS No. : 1592–23–0
H.S.Code : 2915.70

Synonyms

Stearic Acid Calcium Salt, Calcium Octadecanoate, Octadecanoic Acid, Calcium Salt, Calcium distearate; Calcium stearato (Italian); Calciumdistearat (German); Diestearato de calcio (Spanish); Distéarate de calcium (French)

Chemical Formula : \([\text{CH}_3(\text{CH}_2)_{16}\text{CO}_2]_2\text{Ca}\) OR \(\text{C}_{36}\text{H}_{70}\text{CaO}_4\)
Molecular Weignt : 607.03 g/mol
EINECS No. : 216-472-8
H.S.Code : 2915.70

Product Description :

CALCIUM STEARATE is used as a stabilizer for plastics with co-stabilizer of Ba-Cd soap. It is also used as a plasticizer in plastic industry as well as in cosmetics. It is used as a flatting and sanding agent in lacquers, coatings & inks. It is applied in tablet manufacturing. It is used as a drying lubricant and dusting agent for rubbers. It is used as a catalyst in chemical synthesis. It is used as a waterproofing additive.

Specifications

Characteristics Properties

Appearance
Fine Smooth White Powder
Melting Point
160ºC - 165ºC
Solubility
Insoluble in Water, Ethanol & Ether
Moisture Content
Less than 2%. 
Total Ash Content
Between 9.5 – 11 %
Free Stearic Acid
Less than 0.5%.
Calcium Content as CaO
8.5 – 10%
Bulk Density
App.0.2 -0.4 Gm/CC
Fineness through 240 mesh
99% passes.
Loss on Drying
2 % Max.

Solubility

**CALCIUM STEARATE** is insoluble in water; ether; chloroform; acetone; cold alcohol, slightly soluble in hot alcohol; hot vegetable & mineral oils, quite soluble in hot pyridine

**CALCIUM STEARATE APPLICATIONS & USES :**

Uses :

CALCIUM STEARATE is highly recommended as stabilizer for PVC resins, lubricant (release agent) for plastic molding powders and tablets, emulsions, cements, polymer pencils, for waterproofing NG base explosives; fabrics; cements & cement paints; mortar admixtures. Construction chemicals, flatting agent in paints; cosmetics. As lubricating agent in paper & paperboard coating compositions. In resin coated sands & foundry chemicals, in decaking food items like onions. As neutraliser; color stabiliser; fiber breakage reducer; and de-agglomeration agent in PP and HDPE applications.
APPLICATIONS:


PACKING:

Laminated HDPE Bags with separate liner inside.