



INNOVATION,  
QUALITY &  
COMMITMENT



**MARATHWADA**  
CHEMICAL INDUSTRIES PVT. LTD.



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**T**hroughout the fifty years of existence since 1962, things have really evolved. Over the subsequent decades, our product line has grown to include Metallic Stearates, Pigments, Extender Pigments, Polymers, Additives and Speciality Chemicals. But throughout our years gone by, one fact has remained constant: Our product line is synonymous with quality. Our expertise comes from the long experience that we have in the industry and the on going up-gradation of technological advancement that we employ in our facilities.

## Our Core Values

Our values are a constant reminder to us and all our employees of why the company exists and what the founders envisioned.

- To be committed to our work.
- To be client - driven, consistently delivering the best products and services in a cost-effective way.
- To innovate, test and learn.
- To operate with the highest standards of integrity.

## Mission

Our success is due in large measure, to the associates who work in our facility to manufacture products of the highest quality. We constantly aim for profitable growth by directing our efforts towards superior customer service, innovation, quality and commitment.

## Vision

To become a leader in each of our chosen market specialities.

### Zinc Stearate

CAS No. : 557-05-1  
 H. S. Code : 2915.70.90  
 Mol. Formula :  $[\text{CH}_3(\text{CH}_2)_{16}\text{CO}_2]_2\text{Zn}$  OR  $\text{C}_{36}\text{H}_{70}\text{ZnO}_4$   
 Mol. Wt. : 632.33

#### Product Description :

Zinc Stearate is a soft, fine fluffy free flowing bulky powder having characteristic odor. It is a normal zinc soap of Stearic Acid and find uses in many industries. It is water repellent by nature.

#### Characteristics Properties

Zinc stearate 101	Zinc stearate 102	Zinc Stearate 103
Appearance : White Fine Powder		
Melting Point : 120°C - 124°C		
Solubility : Insoluble in Water, Ethanol & Ether.		
Moisture Content : Less than 2%.	Moisture Content : Less than 2%.	Moisture Content : Less than 1%.
Free Stearic Acid : Less than 3%.	Free Stearic Acid : Less than 3%.	Free Stearic Acid : Less than 4%.
Zinc Content (as ZnO) : 13-15 %	Zinc Content (as ZnO) : Min 10 %	Zinc Content (as ZnO) : 13-16 %
Bulk Density : App.0.10 Gm/CC	Bulk Density : App.0.25 Gm/CC	Bulk Density : 0.3-0.5 Gm/CC
Fineness through 240 mesh : 99% passes.		
pH : 6.5 – 7.5		

### Calcium Stearate

CAS No. : 1592-23-0  
 H. S. CODE : 2915.70.30  
 Che. Formula :  $[\text{CH}_3(\text{CH}_2)_{16}\text{CO}_2]_2\text{Ca}$  OR  $\text{C}_{36}\text{H}_{70}\text{CaO}_4$   
 Mol. Wt. : 607.03 g/mol

#### 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 flattening and sanding agent in lacquers, coatings & inks. 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 in concrete, rockwool, textiles and paper.

#### Characteristics Properties

Calcium Stearate 101	Calcium Stearate 102	Calcium Stearate 103
Appearance : Fine Smooth White Powder		
Melting Point : 160°C - 165°C		
Solubility : Insoluble in Water, Ethanol & Ether.		
Moisture Content : Less than 2%.		
Free Fatty Acid : Less than 0.5%.	Free Fatty Acid : Less than 0.5%.	Free Fatty Acid : Less than 3%
Calcium Content (as CaO) : 8.5 - 10 %	Calcium Content (as CaO) : Min 10%.	Calcium Content (as CaO) : 8.5 to 10 %
Bulk Density : App.0.2 -0.4 Gm/CC	Bulk Density : App.0.2 -0.4 Gm/CC	Bulk Density : 0.3-0.5 Gm/CC
Fineness through 240 mesh : 99% passes.		

### Aluminium Stearate

CAS No. : 637-12-7  
 H.S.Code : 2915.70  
 Mol. Formula :  $Al[C_{17}H_{35}CO_2]_3$  OR  $C_{18}H_{36}O_{21/3} Al$   
 Mol.Wt. : 877.39

**Product Description :**

Aluminium Stearate is a soft, fine fluffy free flowing bulky powder having characteristic odor. It has mild antiseptic and astringent properties. It imparts smoothness to creams. It is a normal Aluminium soap of Stearic Acid and finds uses in many industries. It is water repellent by nature and insoluble in water.

**Characteristics Properties**

Aluminium Stearate 101 (Supreme gel)	Aluminium Stearate 102 (Low gel)
Appearance : White Fine Powder	
Solubility : Insoluble in Water, Soluble in Hot Alcohol	
Moisture Content : Less than 2%.	
Total Ash Content : Between 12-18.50%.	
Free Stearic Acid : Max. 4.5 %	
Al <sub>2</sub> O <sub>3</sub> Content : 5-6 %	Al <sub>2</sub> O <sub>3</sub> Content : less then 5.5 %
Fineness through 240 mesh : 99% passes.	

### Applications Of Metallic Stearates

**Plastic Industry:**

It is used as Mould release agent Internal lubricant in production of Polyamides and Thermosetting plastics. It is used in manufacturing of Masterbatches .

**Paint Industry:**

Aluminium Stearate is used as a thickening and suspending agent for preparation of enamels and lacquers to control viscosity and gloss. It improves water resistance, brushing and penetration and as flattening agent.

**Printing Inks:**

The high gelling properties of Alumium Stearate are used for thickening and suspension improvement. Zinc Stearate is used as Dulling agent.

**PVC Compounding:**

It is used as stabilizers and internal and external lubricants.

**Rubber Industry:**

It is used as dusting powder to prevent sticking of unvulcanised rubber sheets and as an additive to improve flow and dispersion.

**Grease And Lubricating Agent:**

Aluminium stearate has excellent properties of transparency, stringiness and water repellency. It acts as high temperature resistant and as Defoaming agent and also as Lubricating agent in paper and paperboard coating composition.

**Construction Chemical:**

For improving water resistance of cement and concrete.

### Other Stearates we manufacture :

**Barium, Cadmium, Copper, Potassium, Sodium, Magnesium, Ammonium, Lithium and Glycerol mono stearate.**

### Zinc Phosphate

C.I Pigment white : 32  
 C.I Constitution no. : 77964  
 CAS No. : 7779-90-0  
 Molecular formula :  $Zn_3(PO_4)_2 \cdot 2H_2O$

#### Product description

Zinc Phosphate has the advantage of bright white color and non toxic nature over other Corrosion Resistant Pigments much as Zinc Chromate, Zinc Tetroxy Chromate and Barium Chromate.

The use of Zinc Phosphate in Primers promotes excellent inter-coat adhesion, particularly under conditions of high humidity. It has low opacity making it adaptable to wide range of colors, by incorporating other pigments.

Characteristics Properties	
ROS on 300 Mesh	: 0.5 % Max
Specific Gravity	: 3.3
Bulk Density	: 0.6 to 1 G/ML
Oil Absorption	: $19 \pm 2$ Gm of Oil per 100 Gm of Pigment
Loss on Ignition	: 8.5 to 10 % by Mass
Matter soluble in water	: 0.5 % Max
Zinc content of	
Ignited sample as ZnO	: 50.5 to 52.0 % by Mass

#### Applications

It is used as anti corrosive pigment in Zinc rich formulation.  
 It is replacement to Zinc Chrome.  
 It is used in dental applications & Manufacturing of Fertilizers.

### Pigment Green B

Product code : 807  
 Chemical type : Organic pigment  
 Color Index No. : 10006 C.I Pigment Green B  
 Physical form : Olive green powder

#### Applications

This product is recommended for Cement and dry colors, Water based paints, Plastics, Rubber and Textile applications.

### Alumina hydrate & Gloss White

C.I. Pigment White : 24 & 23 resp.  
 C.I. Constitution No. : 77002 & 77122 resp.

#### Applications

**Alumina Hydrate - 1512 and Gloss White-1516** finds application as an Extender & Filler Pigment in Paper, Leather Cloth, Cosmetics, Crayons, Match Chemicals, Polishing Agents, Ceramics, Refractory, Ceramic Colours, Adhesives, Rubber, Paints etc.

## Polyurethane Dispersions

As a step towards going green we have ventured out into manufacturing of Polyurethane dispersions and Polyurethane acrylic hybrids. Our Polyurethane polymers provides coatings formulators and end user an environmentally responsible, low V.O.C alternative to solvent borne products for high performance applications.

### Applications

- Wood
- Concrete
- Metal
- Plastic
- Automotive
- Industrial
- Architectural
- Leather

## Other products we deal in

**Aluminium mono hydrate** (Pseudoboehmite Alumina)

**Calcium stearate dispersion**

**Liquid Aluminium stearate**

**Mono Aluminium Phosphate** (Bonding agent for Refractory Industry)

**Paint driers**

**Paint and Plastic additives**

**PVC Stabilizers**

**Rust converting coatings**

**Rust inhibitors**

**Sodium Aluminate** (Powder & Liquid)

**Stearic acid**

**Zinc oxide**



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