



Defining the Metallic Stearate Market

Whether you process tablets, capsules, or liquid preparations that require lubrication, glidant, or specific viscosity characteristics, Valtris Specialty Chemicals gives you more choices for performance, consistency, and reliability. As a market leader in metallic stearates, Valtris Specialty Chemicals operates nine manufacturing facilities across the globe. Operations in North America include: New Jersey, Ohio and Texas.

Core Strengths

|  Extensive Product Line |  Quality and Consistency |  Responsible Care |  Technical Support |
|--|---|---|---|
| <p>A wide range of excipient choices, in a wide variety of product forms.</p> | <p>Six Sigma processes combined with the implementation of Statistical Process Controls ensure consistent products meeting customer performance specifications.</p> | <p>Good Manufacturing Practice Quality Management System for ensuring products are consistently produced and controlled according to quality standards.</p> | <p>Technical centers have extensive analytical and testing equipment which support a staff of specialists who focus on R&D and customer application requirements.</p> |

Stearates for Cosmetic Applications

Due to their gelling capabilities, metallic stearates are often found in creams, ointments, and topical gels, as well as stick deodorants. Low doses of metallic stearates are also favored in many cosmetics products like eyeliners, shampoos, lipsticks, sunscreens, and body powders.



Metal stearate molecular chain

Metal Stearates (Metal "Soaps")
Metallic stearates are long chain fatty acids compounds containing metals of different valences



Why Are Stearates Use in Pharmaceuticals?



Makes Pills Move - It makes the pill easier to swallow and move down the gastrointestinal tract.



Few Alternatives - Other alternatives exist, but they have different physical properties that do not work the same way as magnesium stearate.



Lubricant - Magnesium stearate is the most common ingredient used in forming tablets because it is an effective lubricant.



Very Little Required - A low dosage between 0.05-1% is required to coat a powder blend of virtually any drug or supplement mixture.



Speeds Up Manufacturing Process - Known as a "flow agent", it prevents ingredients from sticking to the mechanical equipment.



Optimizes Tablet Dissolution - Controls how soon tablets dissolve and slows down the dissolution rate.

Metal Stearate Applications and Markets

| | Aluminum Stearate | Calcium Stearate | Magnesium Stearate | Zinc Stearate |
|-----------------|--|---|--|---|
| Key Uses | Water repellent agent | Internal lubricant | Provides slip properties in cosmetics | Hydrophobic agent in plasters |
| | Anti-caking agent | Mold release agent | Release agent in pharma tablets | Pigment suspension and improved coating dispersion |
| | Emulsion stabilizer | Acid scavenger | Lubricant for the processing of specialty polymers | Release agent and lubricant |
| Key End Markets |  Oilfield Chemicals |  PVC Pipe |  Cosmetics |  Paints & Coatings |
| |  Polymers |  Building Products |  Medical Devices |  Building Products |
| | |  Rubber |  Pharmaceuticals | |
| | | |  Food | |
| | | | | |

About Valtris

Valtris is a leading provider of specialty chemicals, serving a diverse set of end markets including building and construction, packaging, consumer goods, transportation, agriculture, flavor and fragrance, and oilfield additives.



About Ravago Chemicals North America

Ravago Chemicals represents market-leading specialty chemical and ingredient producers that allow us to deliver creative technical solutions along with the highest level of service to more than 15,000 active customers across more than 24 countries worldwide. We are a family company and place a high value on our long-standing relationships with our suppliers, customers and our colleagues.



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