

Metallic Stearates, Waxes and Fatty Acids

Whether you process rigid PVC, polyolefins, polystyrenics, wood composites, rubber or any of the many compounds that require lubricants or waxes, Ferro gives you more **choices** for performance, economy and ease-of-use.

In fact, Ferro is the market leader in polymer lubricants. Our Synpro® **metallic stearates** are commonly used as multifunctional internal lubricants, process aids, mold release agents and pigment dispersants. Petrac® **waxes** are commonly specified as external lubricants for rigid PVC, as release agents for molded PVC, and in combination with stearates to provide balanced internal/external lubrication. **Fatty acids**, also supplied under the Petrac brand, are formulated as emulsifiers in polymerization processes, and as plasticizers and lubricants in rubber compounding.

Extensive Product Line

Ferro offers more lubricant choices, in a greater variety of product forms than any other supplier.

Exceptional Value

No other supplier gives you the combination of product quality, performance, ease of use, service and economy that Ferro does. Together these benefits mean you get an unbeatable return on your additive investment.

Easy to Handle

For those who prefer a non-dusting additive, Ferro lubricants are available as granules, prills or pastilles so they flow smoothly for more accurate metering. Fewer fines mean less dust and improved housekeeping.

Global Supply

Strategically located lubricant manufacturing sites in the U.S. and Europe ensure that you can get the product you want when you need it.

Responsible Care

All Ferro chemical manufacturing plants are operated according to industry guidelines for safety and environmental protection. Products are available in recyclable or returnable containers.

Technical Support

Modern Ferro technical centers have been designed to meet your needs. We have extensive analytical and finished-product testing equipment, along with full-scale extrusion lines and injection-molding machines to mirror real-world processing conditions. These facilities support a staff of technical specialists who focus on R & D and customer application requirements, making Ferro a leader in product innovation.



Ferro lubricants available as powder, granules, pastilles and prills



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HARWICK STANDARD
DISTRIBUTION CORPORATION
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	APPLICATION	LUBRICANT	DESCRIPTION
Plastics	PVC	Calcium Stearate 12B, 15F	Powder or free flowing granular, for use as a lubrication and fusion promoter in rigid PVC.
		Zinc Stearate GP, Barium Stearate	Co-Stabilizers for flexible PVC.
		Petrac® Lubricants	Specialty formulated non-dusting lubricants for superior extrusion performance.
	POLYOLEFINS	Calcium Stearates 114-36, 114-50, 114-60 and Calcium Pelargonate	High purity for use as acid scavengers and lubricants, available in fine powders and free flowing granulars.
		Zinc Stearate 8, or 8 Prill	Lubricant and process aid for polyolefin applications.
	POLYSTYRENE	Zinc Stearate 8, or 8 Prill, 8 Pastille, or GP	Exceptionally clear, heat stable for critically clear applications.
	POLYESTERS	Calcium Stearate 12B, S-1244	Fine powder approved for food contact.
		Zinc Stearate S-1058	Ultra fine particle size.
	ABS	Magnesium Stearate 90	High performance lubricant and mold release agent.
	PHENOLICS	Calcium Stearate 12B, Zinc Stearate GP	Used as mold release agent.
MELAMINE	Zinc Stearate GP	Effective process lubricant.	
Wood Composites			
	PVC	Calcium Stearate 12B, 15F	Powder or free flowing granular, for lubrication and to promote fusion.
	POLYETHYLENE	Zinc Stearate GP, GP Prill Petrac® Lubricants	Acts as a lubricant to enhance processability. Specialty formulated lubricants for superior extrusion performance.
Color Concentrates			
		Calcium Stearate 12B, Zinc stearate GP, 8, Aluminum Stearate 404	Coupling agent with polar pigments; in addition, works as a process lubricant.
Elastomers	COMPOUNDING	Calcium Stearate BRE, Zinclud	Low viscosity dispersion, effective as an anti-tack agent and minimizing static charge.
	DUSTING & SLAB DIP	Zinc Stearate GP, D, ACF	Superior mold release properties.
Paint	PIGMENT SUSPENSION	Aluminum Stearate 303 & R	Interacts with pigments, good solubility and thickening properties.
	FLATTENING	Calcium Stearate 114-60	Fine powder.
Lacquer		Zinc Stearate DLG-10A, DLG-20A	Sanding sealer lubricant, reduces gloss.
Cosmetics		Zinc Stearate USP, Aluminum Stearate NF	Fine powder, improves waterproofing and anti-caking.
Food		Magnesium Stearate KFG, Calcium Stearate KFG, LD, HD	Food grade, Kosher.
	Pharmaceutical	Calcium Stearate NF, KFG Zinc Stearate USP, KFG	Flow and anti-caking agents.
		Magnesium Stearate NF, KFG	Binding agent for tableting.
		Aluminum Stearate NF	Thickening agent for vegetable oils.
Masonry & Cement		Calcium Stearate LPH, 12B Aluminum Stearate Non-Gel	Low viscosity dispersion, improves hydrophobic properties of concrete.
Paper Coatings		Calcium Stearate BRP Dispersion	Improves smoothness and reduces friction to enhance handling.
Metallurgical Compounds			
	POWDERED METALS	Zinc Stearate GP, Lithium Stearate	Powder form, for use as a lubricant.
	WIRE DRAWING	Aluminum Stearate, Calcium Stearate 12B	
Grease		Aluminum Stearate GM, 598, Lithium Stearate, Barium Stearate	Highly efficient thickening lubricants.

Lubricants available to meet NSF, PPI, USP, NF and EP requirements.



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In addition to lubricants, Ferro is a global supplier of plasticizers, stabilizers and other products that provide superior quality additive solutions to the polymer industry.

The Polymer Additives Division is part of Ferro Corporation, a major international producer of performance materials, with operations in 20 countries on five continents. In addition to polymer additives, Ferro makes filled and reinforced plastic compounds; color concentrates; liquid colorants and gelcoats; melt-processable thermoplastic elastomers; performance and fine chemicals; industrial coatings; inorganic color and glass performance materials; tile coating systems; and electronic material systems.