

CHEMELYNE

SPPECIALITIES PVT. LTD.



We Care About
Quality, Value
& You



About Us

Welcome to **Chemelyne Specialities Private Limited**, your trusted partner and a leading manufacturer and exporter of premium **Paint Driers, Additives, FRP Accelerators, and Liquid PVC Stabilizers** in India. As an ISO 9001:2015 Certified Company, we are committed to delivering the highest quality products to cater to the specific needs of the Paint, FRP, and Ink industry. At **Chemelyne Specialities, Pvt. Ltd.** we are committed to staying at the forefront of innovation to meet the ever-evolving demands of the global marketplace. Driven by a relentless focus on research and development, we possess the expertise, personnel, and product portfolio to craft optimized solutions that will not only enhance your products but also propel your business growth. Our innovative products are engineered to accelerate the drying process, improve surface hardness, and ensure a durable, attractive finish like lead free cobalt, cobalt free driers or water reducible driers.



Our mission is to lead the market with reliable, eco-friendly solutions that meet and exceed industry standards. We prioritize customer satisfaction by delivering consistent quality and customizable solutions. Guided by a strong commitment to sustainability, we invest in research and development to reduce the environmental footprint of our products.

If you are looking for a partner who can help you bring your innovative ideas to life, **Chemelyne Specialities Pvt. Ltd.** is the ideal choice. We have a proven track record of success in helping businesses of all sizes achieve their goals.

Our Testing Lab. Machineries :



Barrels Warehouse



Drying Testing Machine

PRODUCT RANGE :

DRIERS FOR ALKYD BASED PAINTS

TYPES OF DRIERS :

A) Primary (Oxidative) Driers

Primary driers, also known as oxidative or surface driers, are essential additives in paint and coating formulations that accelerate the initial drying process. They work by catalysing oxidation, which helps the paint harden from the surface. These driers are vital in applications where a quick-drying, durable film is necessary, such as in alkyd and oil-based paints.

1. Cobalt Drier

- **Role :** Cobalt is one of the most effective primary driers, known for promoting rapid surface drying. It catalyses the oxidation process at the surface level, leading to quick film formation.
- **Applications:** Widely used in both industrial and decorative coatings, cobalt is suitable for fast-drying applications where a durable surface is needed. However, cobalt can sometimes lead to surface wrinkling if used in excess or in thick applications.



NAME OF THE PRODUCTS		COBALT OCTOATE	
COLOUR & APPEARANCE		Clear Violet Liquid	
PERCENTAGE		6%, 8%, 10%, 12%	
HS Code		32110000	
PACKING	BAREEL DRUM	190/200KG	22 KG

2. Manganese Drier :

- **Role :** Manganese supports both surface and through-drying, although it generally dries slower than cobalt. It provides a more uniform drying rate, reducing the risk of wrinkling.
- **Applications :** Commonly used in alkyd-based and oil-based coatings for applications requiring balanced drying, such as industrial maintenance coatings and furniture finishes.

NAME OF THE PRODUCTS		MANGANESE OCTOATE	
COLOUR & APPEARANCE		Dark Brown Liquid	
PERCENTAGE		6%, 8%, 10%	
HS Code		32110000	
PACKING	BAREEL DRUM	190/200KG	22 KG



3. Iron Drier

- **Role** : Iron is a powerful oxidizer that promotes hard surface drying. However, it can darken the paint color, so it's typically used in darker coatings.
- **Applications** : Primarily used in industrial coatings and metal finishes where rapid hardness is needed, and color change is not a major concern.



NAME OF THE PRODUCTS		IRON OCTOATE	
COLOUR & APPEARANCE		Reddish-brown	
PERCENTAGE		4%,5%,6%	
HS Code		32110000	
PACKING	BAREEL DRUM	180/190/200KG	22 KG

4. Cerium Drier

- **Role** : Cerium driers are used for UV and weather-resistant coatings, as they promote drying without contributing to yellowing over time. This makes them ideal for light-coloured and clear finishes.
- **Applications** : Used in outdoor applications and UV-sensitive coatings, including wood finishes, automotive, and marine paints, where colour stability and non-yellowing properties are important.

NAME OF THE PRODUCTS		CERIUM OCTOATE	
COLOUR & APPEARANCE		LIGHT YELLOWISH LIQUID	
PERCENTAGE		6%,8%,10%,12%	
HS Code		32110000	
PACKING	BAREEL DRUM	190/200KG	22 KG



SECONDARY DRIERS

Secondary driers, also known as auxiliary driers, are additives used alongside primary driers in paint and coating formulations. While primary driers promote initial surface oxidation and drying, secondary driers support the drying process by enhancing specific characteristics, such as film hardness, gloss, and overall durability. They also help prevent common drying issues like wrinkling and improve the final appearance and performance of the paint film.

1. Zirconium Drier

- **Role** : Used widely as a non-toxic replacement for lead, zirconium promotes through-drying and film hardness without discoloration. It works well in combination with cobalt or manganese primary driers and is widely used in industrial and decorative coatings.
- **Applications** : Often found in environmentally friendly formulations for both solvent-based and waterborne paints.

NAME OF THE PRODUCTS		ZIRCONIUM OCTOATE	
COLOUR & APPEARANCE		Colourless to Light Yellow Liquid	
PERCENTAGE		6%,12%,18%,24%	
HS Code		32110000	
PACKING	BAREEL DRUM	180/200KG	22 KG



2. Calcium Drier

- **Role** : Calcium supports the dispersion of pigments and improves film integrity by preventing surface wrinkling. It also helps enhance the performance of primary driers, especially in humid or low-temperature conditions.
- **Applications** : Frequently used in conjunction with cobalt or manganese for alkyd resins and oil-based paints.



NAME OF THE PRODUCTS		CALCIUM OCTOATE	
COLOUR & APPEARANCE		Colorless To Straw	
PERCENTAGE		3%,4%,5%,6%,10%	
HS Code		32110000	
PACKING	BAREEL DRUM	180/190/200KG	22 KG

3. Zinc Drier

- **Role** : Zinc driers are effective anti-wrinkling agents, enhancing the smoothness and stability of the film. They are especially useful in high-solids and thick-film applications and help prevent cracking in flexible coatings.
- **Applications** : Commonly used in both pigmented and clear coatings to improve finish quality.

NAME OF THE PRODUCTS		ZINC OCTOATE	
COLOUR & APPEARANCE		Colorless To Pale Yellow	
PERCENTAGE		6%,8%,12%,18%	
HS Code		32110000	
PACKING	BAREEL DRUM	180/190KG	22 KG



4. Lead Drier

- **Role** : They accelerate the curing process by facilitating oxidation within the paint layer, ensuring that the coating hardens uniformly from the surface to the substrate. Lead driers help to enhance the durability and toughness of the final film, providing resistance to wear and environmental factors.
- **Applications** : Historically, lead driers were utilized in various sectors, including Industrial Coatings For machinery and equipment, providing tough, long-lasting finishes.
- **Marine Paints** : Used in coatings for ships and marine structures, protecting against water damage and corrosion.
- **Automotive Finishes** : Employed in automotive paints for their fast-drying properties and durability.
- **Architectural Coatings** : Common in alkyd paints for exterior applications requiring high durability and weather resistance.

Important Note :

Due to health and environmental concerns associated with lead toxicity, the use of lead driers has been largely phased out in favour of safer alternatives like zirconium and calcium driers.



NAME OF THE PRODUCTS		LEAD OCTOATE	
COLOUR & APPEARANCE		Pale Yellow	
PERCENTAGE		18%, 24%,30%,32%, 36%	
HS Code		32110000	
PACKING	BAREEL DRUM	200/225/250KG	22 KG

5. Copper Drier

- **Role** : Acts as a secondary drier to promote through-drying, prevent skin formation, and improve durability in coatings.
- **Applications** : Used in alkyd-based paints, industrial coatings, wood finishes, and protective coatings for metal and wood.

NAME OF THE PRODUCTS		COOPER OCTOATE	
COLOUR & APPEARANCE		Greenish	
PERCENTAGE		6%,8%,10%	
HS Code		32110000	
PACKING	BAREEL DRUM	190/200 KG	22 KG



6. Lithium Drier

- **Role** : Lithium acts as a drying stabilizer, especially in humid conditions, by improving through-drying and hardness. It's also beneficial in maintaining gloss and stability in coatings.
- **Applications** : Typically used in high-performance applications, such as marine and automotive coatings.



NAME OF THE PRODUCTS		LITHIUM OCTAOTE	
COLOUR & APPEARANCE		Clear to Pale Yellow Liquid	
PERCENTAGE		2%,3%,4%	
HS Code		32110000	
PACKING	BAREEL DRUM	200 KG	22 KG

7. Barium and Strontium Drier

- **Role** : Both barium and strontium offer similar benefits to calcium but with added film hardness and stability, making them suitable for high-performance coatings. They also help prevent issues with surface drying and can enhance gloss retention.
- **Applications** : These are often used in coatings that require long-lasting durability, such as in industrial and protective applications.



NAME OF THE PRODUCTS		BARIUM OCTOATE	
COLOUR & APPEARANCE		Colorless to Straw	
PERCENTAGE		10%,12%,15%,16%	
HS Code		32110000	
PACKING	BAREEL DRUM	200 KG	22 KG

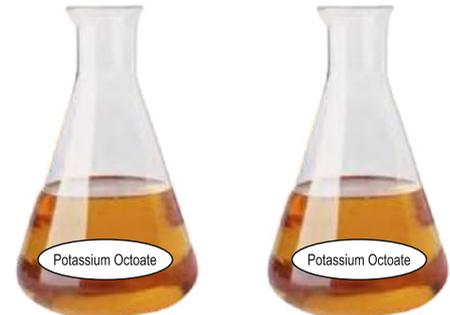
NAME OF THE PRODUCTS		STRONTIUM OCTOATE	
COLOUR & APPEARANCE		Colorless to Straw	
PERCENTAGE		10%, 12%	
HS Code		32110000	
PACKING	BAREEL DRUM	200 KG	22 KG



8. Potassium Drier

- **Role** : Although not as commonly used, potassium acts as an auxiliary drier in certain waterborne systems. It helps reduce surface tension and assists in film formation without contributing much to the drying rate.
- **Applications** : Specialized uses in waterborne or high-solids coatings.

NAME OF THE PRODUCTS		POTASSIUM OCTOATE	
COLOUR & APPEARANCE		Yellow-Orange	
PERCENTAGE		8%,10%,15%	
HS Code		32110000	
PACKING	BAREEL DRUM	200 KG	22 KG



ANTI-SKINNING AGENTS METHYL ETHYL KETOXIME (MEKO)

Anti-skinning agents are additives used in paints, particularly in oil-based and alkyd paints, to prevent the formation of a dry, hardened layer or skin on the paint surface when stored in a container.

Role :

- Prevents Surface Skin Formation : By inhibiting oxidation and polymerization, anti-skinning agents keep the paint surface from hardening when exposed to air, maintaining it in a usable state.
- Extends Shelf Life : They help maintain the paint's consistency and prevent waste by preserving it for longer storage periods without deterioration.

Application :

- Usage in Paint Formulation: Anti-skinning agents are added during paint manufacturing, particularly in alkyd and oil-based formulations, to keep them smooth and free-flowing.
- These agents ensure that the paint remains usable, consistent, and waste-free over extended storage times.

NAME OF THE PRODUCTS		MEK Oxime (Anti Skinning Agent)	
COLOUR & APPEARANCE		Water Clear	
HS Code		29280090	
PACKING	BAREEL DRUM	190 KG	22 KG



COMBINATION DRIERS :

Combination driers typically contain a mix of different metal salts, each playing a unique role in the drying process :

TYPES OF COMBINATION DRIERS :

1. **Cobalt-Calcium-Zirconium** - This combination accelerates both surface and through drying, creating a uniform cure without causing the surface to dry too fast and trap solvents.

NAME OF THE PRODUCTS		Combination CS- 655 (Cobalt, Calcium, Zirconium)	
COLOUR & APPEARANCE		Bluish Violet Liquid	
METAL (% AGE)		7 ± 0.3%	
HS Code		32110000	
PACKING	BAREEL DRUM	200 KG	22 KG





NAME OF THE PRODUCTS		Combination CS- 755 (Cobalt,Calcium, Zirconium)	
COLOUR & APPEARANCE		Bluish Liquid	
METAL (% AGE)		9 ± 0.3%	
HS Code		32110000	
PACKING	BAREEL DRUM	200 KG	22 KG

NAME OF THE PRODUCTS		Combination C- 321 (Cobalt,Calcium, Zirconium)	
COLOUR & APPEARANCE		Bluish Liquid	
METAL (% AGE)		6 ± 0.5%	
HS Code		32110000	
PACKING	BAREEL DRUM	200 KG	22 KG



NAME OF THE PRODUCTS		Combination CS- 901 (Cobalt,Calcium, Zirconium)	
COLOUR & APPEARANCE		Bluish Violet Liquid	
METAL (% AGE)		9 ± 0.3%	
HS Code		32110000	
PACKING	BAREEL DRUM	200 KG	22 KG

2. Cobalt-Lead-Manganese : Enhances rapid surface drying and deep layer curing, ensuring a tough, durable finish by balancing both surface and through-drying properties.

NAME OF THE PRODUCTS		Combination C-25 (Cobalt, Lead, Manganese)	
COLOUR & APPEARANCE		Brown Liquid	
METAL (% AGE)		15 ± 0.5%	
HS Code		32110000	
PACKING	BAREEL DRUM	200 KG	22 KG



NAME OF THE PRODUCTS		Combination C-154 (Cobalt, Lead, Manganese)	
COLOUR & APPEARANCE		Brown Liquid	
METAL (% AGE)		15 ± 0.5%	
HS Code		32110000	
PACKING	BAREEL DRUM	200 KG	22 KG

LEAD FREE DRIER

BXPB is a lead-free drier, it likely includes a combination of metals commonly used to accelerate drying without the toxicity associated with lead.

NAME OF THE PRODUCTS		CS-BXPB	
COLOUR & APPEARANCE		Clear Bluish Liquid	
METAL (% AGE)		10 ± 0.3%	
HS Code		32110000	
PACKING	BAREEL DRUM	200 KG	22 KG



COBALT FREE DRIER

Cobalt-Free Driers offer safer and environmentally conscious drying solutions in the paint and coatings industry, with several metals like manganese, iron, vanadium, and cerium emerging as popular alternatives. These driers provide efficient drying while supporting regulatory compliance and aligning with sustainable practices.

Benefits of Cobalt-Free Drier

- **Health and Safety** : Lower toxicity means reduced health risks for workers and consumers.
- **Environmental Friendliness** : Cobalt-free options often have reduced environmental impact and are more sustainable in the long term.
- **High Performance** : When formulated properly, cobalt-free driers can provide drying performance comparable to traditional cobalt-based driers, often with additional benefits like colour stability and reduced yellowing.

NEODECANOATE DRIERS

"Neodecanoate Driers" are environmentally friendly alternatives to traditional metal-based drying agents used in paints, coatings, and inks. Green driers or Neodecanoate driers are a type of metal carboxylate drier used in paints, coatings, and inks. These driers consist of metal ions (such as cobalt, calcium, zinc, zirconium, or manganese) combined with neodecanoic acid, a branched carboxylic acid. Neodecanoate driers help catalyze the drying and curing process, especially in alkyd and oil-based paints, by promoting oxidation and polymerization. They are popular due to their stability, low volatility, and effectiveness in enhancing the drying process without contributing significantly to VOC emissions.



Cobalt Neodecanoate (6%,8%, 10%, 12%)



Manganese Neodecanoate (6%,8%, 10%,.)



Zirconium Neodecanoate (6%,12%,18%,24%)



Zinc Neodecanoate (6%,8%,12%,18%)



Calcium Neodecanoate (3%,5%, 10%,.)

FRP ACCELERATORS FOR UPR INDUSTRY

FRP (Fiberglass Reinforced Plastics) is a composite material made of a polymer matrix reinforced with fiberglass. It is widely used in various industries, including the UPR (Unsaturated Polyester Resin) industry, due to its unique properties and benefits. Their primary role is to accelerate the curing process of the resin, which is critical for achieving the desired performance and properties of FRP materials. Cobalt Driers are among the most common types of driers used in FRP applications. They act as catalysts that accelerate the curing of polyester and vinyl ester resins.

At **Chemelyne Specialities Pvt . Ltd.** we specialize in the development and supply of high-performance FRP accelerators tailored for the UPR industry. Our portfolio includes a range of cobalt-based, amine, and custom-blended accelerators designed for a variety of applications, ensuring that manufacturers can meet both production and performance standards.

NAME OF THE PRODUCTS		COBALT OCTOATE FRP	
COLOUR & APPEARANCE		Clear Violet Liquid	
METAL (% AGE)		2%,4%,3%,6%,10%,12%	
HS Code		32110000	
PACKING	BAREEL DRUM	180/190/200 KG	22 KG



NAME OF THE PRODUCTS		COBALT OCTOATE FRP 694	
COLOUR & APPEARANCE		Clear Violet Liquid	
METAL (% AGE)		2%,3%,6%,12%	
HS Code		32110000	
PACKING	BAREEL DRUM	180/190/200 KG	22 KG



NAME OF THE PRODUCTS		COBALT OCTOATE FRP 101	
COLOUR & APPEARANCE		Clear Violet Liquid	
METAL (% AGE)		2%,3%,6%,8%,9%,10%,11%,12%	
HS Code		32110000	
PACKING	BAREEL DRUM	180/190/200 KG	22 KG



Our Big Customers Name :



Actively participating in various Coating Shows :





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