



COBALT OCTOATE

Cobalt Accelerator for Unsaturated Polyester Resins · 6% Cobalt · Room-Temperature Cure

PRODUCT DESCRIPTION

Cobalt Octoate is the accelerator, or promoter, used together with a peroxide initiator to bring about room-temperature cure of unsaturated polyester resin systems. It is dosed into the resin separately from the peroxide. Dosage governs gel time — more accelerator shortens it, less lengthens it — and the resin, the ambient temperature and the peroxide level all shift the result, so the working dosage is established on the shop floor against the resin in use.

KEY FEATURES

- Cobalt-based accelerator / promoter for unsaturated polyester systems
- Used with peroxide-initiated cure systems such as MEKP
- 6% cobalt metal content as published by Samrat Poly Resins
- Dosed separately from the peroxide — never mixed with it directly
- Supplied as a separate accelerator component, not a hardener or a resin

RECOMMENDED APPLICATIONS

- Room-temperature cure of unsaturated polyester resins
- Hand lay-up and spray-up FRP lamination
- Gelcoat and surface-coat cure systems
- Casting and moulding polyester systems

PRODUCT SPECIFICATION

Product Type	Cobalt Octoate Accelerator / Promoter
Category	Hardeners
Function	Curing accelerator / promoter for compatible unsaturated polyester resin systems
Typically Used With	Peroxide-initiated cure systems such as MEKP
Cobalt Metal Content	6%
Viscosity	15 cPs
Specific Gravity	0.95 g/cm ³
Recommended Dosage	0.2–0.5%

Product Type, Category, Function and Typically Used With are as published on the Samrat Poly Resins product page. Cobalt Metal Content, Viscosity, Specific Gravity and Recommended Dosage are as printed in the Samrat Poly Resins product catalogue, Hardeners section, product code COB. No test temperature or test method is stated with those catalogue figures.

Not published by Samrat Poly Resins for this product and therefore not stated: Carrier solvent, and therefore flash point; Test temperature and method behind the catalogue viscosity and specific gravity; Shelf life; Storage temperature; Packaging and minimum order quantity.

REFERENCE INFORMATION — COBALT OCTOATE AS A CHEMICAL

Reference information — not a specification of the product Samrat supplies

Chemical family	Cobalt salt of 2-ethylhexanoic acid
CAS number	136-52-7
Typical appearance	Violet to blue-violet liquid
Miscibility	Miscible with unsaturated polyester resin and styrene; not miscible with water
Flash point	Governed by the carrier solvent, which varies between commercial grades

These describe cobalt octoate as a chemical. They are not measurements of the product Samrat supplies. Samrat has not published the carrier solvent for this grade, so no flash point is stated: a flash point quoted for another maker's cobalt octoate would describe that maker's carrier, not ours.

SAFETY & HANDLING

Handle with appropriate personal protective equipment and adequate ventilation. Keep away from heat, sparks and open flame. **Never mix cobalt octoate directly with MEKP or any other peroxide. Add each separately into the resin — direct contact between the two can react violently.** Store away from peroxides and oxidising agents. Refer to the applicable Safety Data Sheet (SDS) before handling.

Disclaimer: The information above is based on data published by the manufacturer at the time of issue and is believed accurate. Values shown are typical and are not to be interpreted as guaranteed specifications; properties may vary within normal manufacturing tolerances between batches. Users are responsible for determining suitability for their intended application and should confirm current specifications directly with Samrat Poly Resins prior to use.