

# + Chroma-Chem® Synermix® 5005

## Specialty Drier Alternative to Cobalt

Synermix® 5005 is a chelating catalyst designed to replace cobalt driers that cause undesirable side effects. Synermix® 5005 is hydrolysis resistant to minimize initial and post dry color changes associated with cobalt. It is cut in xylene and n-butanol for use in conventional solvent borne systems. Synermix® 5005 is also very useful in clear or brightly colored conventional alkyds or Oil/Alkyd modified polyurethanes which have a tendency to discolor.

### ► Key Benefits

Synermix® 5005 is a specialty drier that will minimize discoloration of clears (e.g. oil modified polyurethanes) after drying, increase resistance to yellowing of air-dry alkyd finishes exposed to prolonged heat or alkaline fumes, and prevent loss of dry properties during shelf life minimizing the need for a “feeder drier”. In addition, it does not contain any heavy metals.

### ► Applications

- Industrial coatings
- Architectural coatings

### ► Physical Properties

Property	Value
Appearance\Color	Liquid\Amber
Weight per gallon	6.9 lbs.
Nonvolatile Content	10%
Flash Point	75 °C
Solvent	Xylene:nBuOH

### ► Level of Usage

While Synermix® 5005 can be used as the sole drier, optimum results are achieved in combination with calcium and zirconium. Suggested starting point levels based on % by weight of vehicle solids is:

0.50 – 0.70 % DAPRO® 5005 (as supplied)

0.10 – 0.30 % Zr (as metal)

0.05 – 0.10 % Ca (as metal)

### ► Packaging

Synermix® 5005 is supplied in steel drums (390 Lbs / 177Kg) and pails (35 Lbs/15.9 Kg).

### ► Shelf Life

Synermix® 5005 dryer should be stored out of direct sunlight at temperatures between 40° F/5° C and 130° F/50° C.

When kept in an original unopened container, it will remain stable for 4 years from the date of manufacture.

©Chromaflo Technologies. This information is furnished without warranty, representation, inducement or license of any kind. It is accurate to the best Chromaflo Technologies' knowledge or is obtained from sources believed to be accurate, Chromaflo Technologies therefore assumes no legal responsibility for reliance upon given information. We reserve the right to make any changes according to technological progress or further developments. Since Chromaflo Technologies does not have control over the exact use of our products or other factors that may affect your specific process and application, our providing this data does not relieve you of the responsibility of carrying out your own tests and experiments prior to any contemplated use of the product. Also when Chromaflo Technologies' products are incorporated into your product, you must make your own determination as to what instructions and warranties to provide.

