

+ Plasticolors® IN Inhibitors

Safe Handling of Inhibitors for Polyester Applications

Plasticolors® IN inhibitor additives have been designed for use in polyester thermoset applications to manage storage stability and to delay premature gelation. The selection of an appropriate inhibitor is crucial to achieve the required fabrication performance.

► Key Benefits

Inhibitors are available in a variety of liquid forms. Liquid IN inhibitor additives eliminate airborne particles and provide improved safe handling. A wide array of solvents and inhibitor concentrations are available to meet the industry's needs and custom liquid inhibitor additives are available upon request.

► Applications

Inhibitor additives are designed to serve in a wide variety of polyester applications. Selection of the inhibitor additive should be based on shelf life requirements with regard given to minimizing the inhibitor's effect on curing the resin matrix. As such, they are best suited for the following processes:

- SMC, BMC, TMC
- Pultrusion
- Polyester Resin Production

They can also be used for other thermosetting polyester and vinyl ester applications.

► Compatibility

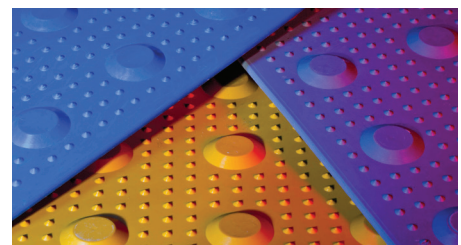
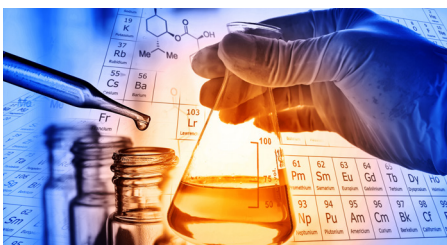
- Unsaturated Polyester Resins
- Vinyl Esters
- Solvent-based systems

► Properties

Plasticolors® IN inhibitor additives may contain solvents or reactive monomers. Given the broad product portfolio represented, differences across products in solvents and inhibitor concentration will cause properties such as freeze/thaw stability, flashpoint, and viscosity to be different for each product. Our technical and sales professionals are available to help with the selection of inhibitor technology appropriate for your specific application. Please contact us to learn more about our inhibitor technology and how it can benefit your operations.

► Handling and Storage

Proper handling is essential to maintain good quality. Containers should be tightly sealed when not in use. This will prevent the absorption of atmospheric moisture and minimize the chance of airborne contamination. Containers should be stored in a manner as to protect them from temperature extremes (details available by product). It is recommended that the liquid inhibitors be allowed to reach room temperature (22°C, 72°F) and agitated prior to use to ensure inhibitors are fully dissolved. Shelf life information for each product can be found on the product Technical Data Sheet. As a general practice, mix before use. Reference the SDS for more product care and safety information.



Product Code	Solvent	Active Inhibitor	Inhibitor Wt. %
IN-9139 ¹	Diallyl phthalate (DAP)	Parabenzquinone (PBQ)	5.0
IN-90655 ²	Propylene Carbonate	Parabenzquinone (PBQ)	5.0
IN-90919 ¹	Trimethylolpropane Triacrylate	Parabenzquinone (PBQ)	7.2
IN-90322 ¹	Styrene/NMP blend	Parabenzquinone (PBQ)	10.0
IN-90496 ²	Propylene Carbonate	Parabenzquinone (PBQ)	10.0
IN-9083 ¹	Styrene	4-tert-Butylcatechol (TBC)	10.0
IN-90371B ¹	Styrene/NMP/PMA blend	Parabenzquinone (PBQ)	12.5
IN-90468 ²	Propylene Carbonate	Parabenzquinone (PBQ)	15.0
IN-9073 ¹	Diethylene glycol	Toluhydroquinone (THQ)	15.0
IN-90355 MOD L ¹	Propylene glycol	Hydroquinone (HQ)	25.0
IN-90354 MOD H ¹	Propylene glycol	Mono-tertiary-butylhydroquinone (MTBHQ)	25.0
IN-91029 ¹	Vinyl toluene	Butyl hydroxy toluene (BHT)	25.0

(1) Protect products from temperature extremes ranging from 0°C to 22°C (32°F to 72°F.)

(2) Protect products from temperature extremes ranging from -10°C to 22°C (15°F to 72°F.)

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