

RESINS

CAPCURE® AND GABEPRO® POLYMERIC MERCAPTANS



GABRIEL

PRODUCT REFERENCE GUIDE

CAPCURE® 3-800

A mercaptan-terminated polymer used as a liquid curing agent with unique rapid-cure characteristics for epoxy resins at ambient temperatures. Capcure 3-800 imparts rapid cure rates on systems at low temperatures and in thin films, and is a low toxicity compound with exceptional color. It can also be used to accelerate other epoxy curing agents, such as amines, polyamides and amidoamines.

CAPCURE® 3830-81

Amine-catalyzed epoxy curing mercaptan formulated for quick sets at room temperature. Capcure 3830-81 can be used as the single curing agent, or as an accelerator for amine or amide chemistries. In addition to low toxicity, Capcure 3830-81 has an exceptional low-temperature cure capability and accelerated cure times of three to five minutes.

CAPCURE® 40 Sec HV

A mercaptan-based epoxy hardener that provides gel times of 40 seconds with a standard Bisphenol A epoxy resin mixed at a 1:1 ratio under ambient conditions. This mercaptan-curing agent improves bonds between glass and metal, especially brass and bronze. It is ideal for two-component mixing equipment in assembly line use when mixed at a 1:1 epoxy/hardener ratio. Capcure 40 Sec HV can be used as a catalyst or co-curing material, where it will impart properties typical of mercaptans while providing improved adhesion.

CAPCURE® 3850-101

An easy-to-use epoxy curing agent with reduced odor, Capcure 3850-101 provides a non-yellowing casting color. The amine additive in Capcure 3850-101 is formaldehyde free and is less sensitive to the addition of a chelator that can be used help reduce skinning problems.



Gabriel Capcure®: POLYMERIC MERCAPTANS

Base Products	Key Attributes
CAPCURE® 3-800	<ul style="list-style-type: none">• Un-catalyzed• Wide range of gel times possible• Clear yellow in appearance• Low odor
Blended Products	Key Attributes
CAPCURE® 3830-81	<ul style="list-style-type: none">• Optimized for 5 minute gel time
CAPCURE® 3850-101	<ul style="list-style-type: none">• Improved color and color stability• 5 minute gel time
CAPCURE® 40SEC HV	<ul style="list-style-type: none">• Fully formulated for 40 second gel time• Not available in Europe



**GET IN TOUCH
WITH GABRIEL**

For further information and sample materials,
please get in touch on:

customerservice@gabrielchem.com
Phone: 866-800-2436 (chem)(toll free)

www.gabrielchem.com

GABEPRO® GPM-800

A mercaptan-terminated polymer used as a liquid curing agent with unique rapid-cure characteristics for epoxy resins at ambient temperatures. GPM-800 imparts rapid cure rates on systems at low temperatures and in thin films, and is a low toxicity compound with exceptional color. It can also be used to accelerate other epoxy curing agents, such as amines, polyamides and amidoamines.

GABEPRO® GPM-800 LO

A low-odor, mercaptan-terminated polymer used as a liquid curing agent with unique rapid-cure characteristics for epoxy resins at ambient temperatures. GPM-800 LO imparts rapid cure rates on systems at low temperatures and in thin films. It is a low toxicity compound with exceptional color. It can also be used to accelerate other epoxy curing agents, such as amines, polyamides and amidoamines.

GABEPRO® GPM-830 CB

A mercaptan-based epoxy hardener that provides gel time of approximately 30 minutes with a standard Bisphenol A epoxy resin mixed at a 1:1 ratio at ambient conditions. This material is ideal for two-component mixing equipment in assembly line use when mixed at a 1:1 epoxy/hardener ratio. GPM-830 CB can be used as a catalyst or co-curing material where it will impart properties typical of mercaptans and provide improved adhesion.

GABEPRO® GPM-888

Amine-catalyzed epoxy curing mercaptan formulated for quick sets at room temperature. GPM-888 can be used as the single curing agent, or as an accelerator for amine or amide chemistries. In addition to low toxicity, GPM-888 has an exceptional low-temperature cure capability and accelerated cure times of three to five minutes.

GABEPRO® GPM-890 CB

A mercaptan-based epoxy hardener that provides gel time of approximately 90 seconds with a standard Bisphenol A epoxy resin mixed at a 1:1 ratio under ambient conditions. This mercaptan-curing agent improves bonds between glass and metal, especially brass and bronze. GPM-890 CB is ideal for two-component mixing equipment in assembly line use when mixed at a 1:1 epoxy/hardener ratio. It can be used as a catalyst or co-curing material, where it will impart properties typical of mercaptans while providing improved adhesion.

GABEPRO® GPM-891

An easy-to-use epoxy curing agent with reduced odor, GPM-891 provides a non-yellowing casting color. The amine additive in GPM-891 is formaldehyde free and is less sensitive to the addition of a chelator that can be used help reduce skinning problems.

GABEPRO® GPM-895 FC

A mercaptan-based epoxy hardener that provides gel times of 40 seconds with a standard Bisphenol A epoxy resin mixed at a 1:1 ratio under ambient conditions. This mercaptan-curing agent improves bonds between glass and metal, especially brass and bronze. It is ideal for two-component mixing equipment in assembly line use when mixed at a 1:1 epoxy/hardener ratio. GPM-895 FC can be used as a catalyst or co-curing material, where it will impart properties typical of mercaptans while providing improved adhesion.

Gabriel Gabepro®: GPM POLYMERIC MERCAPTANS

Base Products	Key Attributes
GABEPRO® GPM-800	<ul style="list-style-type: none"> • Un-catalyzed • Wide range of gel times possible • Clear yellow in appearance • Low odor
GABEPRO® GPM-800 LO	<ul style="list-style-type: none"> • Reduced odor from original formula
Blended Products	Key Attributes
GABEPRO® GPM-888	<ul style="list-style-type: none"> • Fully formulated for 5 minute gel time
GABEPRO® GPM-830 CB	<ul style="list-style-type: none"> • Fully formulated for 30 minute gel time
GABEPRO® GPM-890 CB	<ul style="list-style-type: none"> • Fully formulated for 90 second gel time
GABEPRO® GPM-891	<ul style="list-style-type: none"> • Improved color and color stability • 5 minute gel time
GABEPRO® GPM-895 FC	<ul style="list-style-type: none"> • Fully formulated for 40 second gel time



POLYMERIC MERCAPTANS

Developed at our facility in 1966 by Diamond Shamrock, mercaptans are epoxy curing agents with exceptionally rapid cure speed and hardness development properties for DIY consumer, automotive, construction and concrete markets, and various other industrial products.

They offer a unique advantage of fast cure for both at ambient and low temperatures, and in thin films. Our wide selection of mercaptans offer cure speeds as fast as 40 seconds to five minutes, and up to 30 minutes.

With excellent bond strength to glass, metal, concrete and wood, and fast-set characteristics, our mercaptans are ideal for a number of industrial products and consumer adhesives (such as the "five-minute" consumer adhesives). They can also be used to accelerate other epoxy curing agents, including amines, polyamides and amidoamines.



ADVANTAGES

- Catalyzed, epoxy curing agents custom formulated to deliver the ideal cure time for your applications
- Continuous process improvements include low-odor formulations and specialty blends
- The world's manufacturing expert and the world's low-cost producer
- The original and only domestic source with global capabilities
- Formulary knowledge and technical service - more than just a product
- 1:1 Mix ratio with epoxy resins

MAIN PROPERTIES

- | | | |
|---|------------------------|----------------------|
| • RAPID CURE | • LOW TEMPERATURE CURE | • THIN FILM CURE |
| • GOOD ADHESION TO DIFFERENT SUBSTRATES | • LOW TOXICITY | • EXCELLENT COLOR |
| | | • CO-CURE CAPABILITY |

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