

## Product Information (PI) Sheet

**Product:** EnviroVar Formaldehyde Free Post-Cat Sealer

**Code(s):**

<b>C105929</b>			
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**Description:** EnviroVar Formaldehyde Free Post-Cat Sealer was developed using M.L. Campbell's solvent borne breakthrough Clean Cure™ Technology. This exceptional technology platform provides an acid cure formaldehyde free amino-alkyd post-catalyzed conversion varnish that is both low odor and HAPs free helping to create a safer work environment. This sealer applies and sands easily and cures at normal ambient temperature. EnviroVar Formaldehyde Free Post -Cat Sealer was specifically formulated to eliminate formaldehyde off gassing concerns from acid cure coatings on commercial and residential projects and is GREENGUARD Indoor Air Quality Certified.

**Uses:** EnviroVar Formaldehyde Free Post –Cat Sealer meets or exceeds all KCMA testing and was developed for use on kitchen and bathroom cabinets, dormitory, display fixtures and household or office furniture. Not recommended for use over most pigmented colors, white or pastel stains and glazes.

**Other Products:** For catalyst use 1051 Clean Cure 5% Post-Cat Catalyst. For reducer use C162 1 Care Reducer or C160 36 M.L. Campbell Lacquer Thinner. For retarder use C161 1 M.L. Campbell Care Retarder. For a non-yellowing finish use Krystal, KlearVar or High Performance Conversion Varnish.

Physical Properties (packaged)	
<b>Weight per Gallon:</b>	7.85 +/- 0.2 lbs/gal.
<b>Viscosity - Ford #4 at 77°F/25°C:</b>	23-28 seconds
<b>% Solids - by Weight:</b>	35.5 +/- 2%
<b>% Solids - by Volume:</b>	28.0 ± 2
<b>Theoretical Coverage at 1 Mil Dry:</b> (Coverage figures DO NOT INCLUDE spray loss. Also allow for surface irregularities and porosity of wood surface to be finished.)	450 sq. ft. per gallon
<b>Flash Point (PMCC):</b>	50F
<b>Color:</b>	1-4 GH Hazy
<b>Sheen (60° Glossmeter):</b>	NA
<b>Packaged VOC:</b>	606 g/l
<b>Photochemically Reactive:</b>	No

### Surface Preparation

<b>New Work:</b>	Remove any dirt, grease or other contamination and sand as required. If desired, apply WoodSong II stain as directed by the specific M.L. Campbell Product Information (PI) Sheet, prior to finishing.
<b>Old Work:</b>	Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work.

### Mixing and Catalyzing

Mix well before using. Material may separate during long-term storage. Catalyze EnviroVar Formaldehyde Free Post-Cat Sealer with 5% by volume (20:1) with C1051 Clean Cure 5% Post-Cat Catalyst. Always mix in catalyst thoroughly before application. No waiting period (sweating in time) is necessary before using this product. After catalyzing there is an 8 to 12 hour pot life.

### Reduction

No reduction is required; however, small amounts of C162 1 Care Reducer may be used if required for specific equipment. If blusing occurs use C161 1 Care Retarder.

### Application Procedure

EnviroVar Formaldehyde Free Post-Cat Sealer has excellent sanding properties. When sanding between coats, use Fre-Cut (no fill) type sand paper. One coat at 4 to 5 mils wet is recommended along with one to two coats of C10542X EnviroVar Formaldehyde Free Post -Cat Conversion Varnish.

Catalyzed (cross-linked) type coatings develop extremely durable finishes, but require controlled application procedures. Do not apply material too heavy per coat (4 to 5 mils wet per coat are recommended). Too much coating weight can cause recoating and durability problems. A light (scuff) sanding between coats using 280-320 grit sandpaper is always recommended. The total dry film build of the system should be at least 2.5 mils and should not exceed 5 dry mils. EnviroVar Formaldehyde Free Post-Cat Sealer should be applied when temperatures in the spray room are at a minimum of 68°F (20°C). Always agitate thoroughly during application.

**Refer to spray equipment suppliers, recommendations for fine lacquer atomizing spray guns, air caps, and fluid needles.**

**Note:** Hot spray application is not recommended. If hot spray equipment is used, temperature settings should never be over 110°F or 43° C.

### Equipment Clean Up

- Use Standard Lacquer Thinner or Fast Reducer VOC Exempt to clean up all equipment.
- Dispose of dirty solvent and cleaning rags in a safe and approved manner.
- Solvent or lacquer-soaked rags should be stored in water-filled, closed containers prior to disposal.

### Drying Times (at 77° F or 25° C)

<b>Dry to Touch:</b>	15-20 minutes
<b>Sanding Dry:</b>	30-45 minutes
<b>Stacking Dry:</b>	4+ hours

### Packaging/Shipping

<b>Available Units:</b>	Gallons and Pails
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### Shelf Life and Storage

- Package life 2 years - Store in a cool, dry area in the original sealed containers.
- Do not store around any source of flames or sparks.
- Spills should be cleaned up with non-sparking tools and inert absorbent material.

### DOT Classification

Flammable Liquid	Red Label	UN 1263		
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### B/L Description

Paint	UN 1263	3	PG II	
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### Caution

- **THESE PRODUCTS ARE DESIGNED FOR SHOP APPLICATION AND PROFESSIONAL USE ONLY.**
- Use only after all safety information is understood.
- Refer to the Material Safety Data Sheet (MSDS) for additional information.

### Testing

Due to the wide variety of substrates, surface preparation methods, application methods, and environments, customers should test the complete system for adhesion and compatibility under their conditions prior to full-scale application.

### Notes

The information, rating, and options stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application that are not known or under our control, M.L. Campbell cannot make any warranties as to the end result. *Thank you for using M.L. Campbell Wood Finishing products.*