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Product Data Sheet

Product: **EnviroMax Formaldehyde Free Pre-Catalyzed White/Opaque Lacquer**

Code(s):				
	W133044 Satin			

Description: EnviroMax Formaldehyde Free Pre-Cat White/Opaque was developed using our breakthrough solvent borne Clean Cure™ Technology. This exceptional technology platform provides an acid cure formaldehyde free amino alkyd pre-catalyzed lacquer with the high durability and performance of a post-cat, it is both low odor and HAPs free; creating a safer work environment and improving indoor air quality once a project is installed. EnviroMax Formaldehyde Free Pre-Cat White/Opaque is GREENGUARD certified and was specifically formulated to eliminate formaldehyde off gassing concerns from acid cure coatings on commercial and residential projects. EnviroMax Formaldehyde Free Pre-Cat White/Opaque is ideal for wood kitchen cabinets, commercial millwork, furniture and commercial displays.

Uses: EnviroMax Formaldehyde Free Pre-Catalyzed White/Opaque is a furniture quality lacquer designed for use on kitchen and bathroom cabinets, dormitory, household, display fixtures, hospital and office furniture and the wood parts of upholstered furniture.

Other Products: For lacquer thinner, use C162 1 M.L. Campbell Care Reducer. For a base coat, use EnviroClaw Formaldehyde Free Pre-Cat Primer/Undercoater. Clear topcoats are not necessary in most cases. However, if a clear topcoat is desired or needed use EnviroMax Formaldehyde Free Pre-Cat Clear topcoat. If a non-yellowing protective clear topcoat is required to protect a glaze finishing system over EnviroMax White/Opaque, please refer to MagnaKlear Pre-cat Clear. At this point, non-yellowing clear topcoats are not available in Clean Cure formaldehyde free technology.

Physical Properties (packaged)	
Weight per Gallon:	8.65 lbs ± 0.2
Viscosity - Ford #4 at 77°F/25°C:	40 ± 5 seconds
% Solids - by Weight:	41.8 ± 2%
% Solids - by Volume:	29.3 ± 2%
Theoretical Coverage at 1 Mil Dry: (Coverage figures DO NOT INCLUDE spray loss. Also allow for surface irregularities and porosity of wood surface to be finished.)	467 sq. ft. per gallon
Flash Point (PMCC):	40°F
Color:	Opaque White
Sheen (60° Glossmeter):	Dull 15±2, Satin 35±2, Gloss 80+
Packaged VOC:	576 ± 20 g/l (4.95 lbs./gallon)
Photochemically Reactive:	No

Surface Preparation

New Work:	Remove any dirt, grease or other contamination and sand as required.
Old Work:	Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work. If cratering develops on old work, Fish Eye Killer may remedy this problem, if the contamination is not too severe.

Reduction

EnviroMax Formaldehyde Free Pre-catalyzed White/Opaque can be applied as supplied or reduce as required with C 1621 ML Campbell Care Reducer, or C160 36 Standard Lacquer Thinner.

Mixing

Mix well before using. Material may separate during long-term storage.

Tinting

Please note that the addition of colorant to pigmented coatings, in direct relationship to the amount of colorant used, will detract from the overall durability of the coatings and can also affect luster. We recommend a color limitation in the White/Opaque Base of (8) ounces per gallon and in the Clear Base (10) ounces per gallon. Only tint EnviroMax with M.L. Campbell Industrial Colorants. DO NOT tint with colorants that contain glycol.

Application Procedure

Pre-catalyzed type coatings develop very durable finishes but require controlled application procedures. An excellent long lasting finish can be developed by applying two coats of EnviroMax Formaldehyde Free Pre-Catalyzed White/Opaque over one or two coats of EnviroClaw Formaldehyde Free Pre-Cat Primer/Undercoater.

When applying a color over the Primer/Undercoater, it is recommended that you tint it to the approximate finished color. Following the application of the Primer/Undercoater, apply no more than two coats of M.L. Campbell EnviroMax Formaldehyde Free Pre-catalyzed White/Opaque. Remember that light scuff sanding in between coats is always recommended. When sanding between coats, use 320 Grit Fre-Cut (no fill) sandpaper. Clear topcoats are not necessary in most cases. However, if a clear topcoat is desired or needed, use EnviroMax Formaldehyde Free Pre-Cat Clear topcoat. For a non-yellowing system use MagnaKlear Clear topcoat over Stealth White/Opaque. Always agitate the product thoroughly during application. Too much coating weight can cause problems. The total recommended dry mil film thickness after sanding should not exceed 5 mils dry.

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 lacquer thinner 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.

	(at 77° F or 25° C) **Drying Times**	(at 120°F or 49°C)
Dry to Touch:	20-30 minutes	15-20 minutes
Sanding Dry:	35-45 minutes	20-25 minutes
Stacking Dry:	12 hours	30-60 minutes

EnviroMax can be forced dried at temperatures of 120°F (49°C).

Packaging/Shipping

Available Units:	Gallons and Pails

Shelf Life and Storage

- Shelf life – 24 months. Store in cool, dry areas in the original sealed containers
- Pot life of 60 days - Store in cool, dry areas 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

B/L Description

Paint	UN 1263	3	PG II

Caution

- **FOR INDUSTRIAL SHOP APPLICATION 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.*