



WOOD FINISHING SYSTEMS

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Product Information (PI) Sheet

Product: Magnalac Pre-Catalyzed Lacquer

Code(s):	C144 12 Dull	C144 13 25 Sheen	C144 14 Satin	C144 15 Soft Gloss
	C144 16 Semi-Gloss	C144 19 Gloss		

Description: Magnalac is a premium quality HAPs solvent free formulation, with ultra low formaldehyde, pre-catalyzed nitrocellulose lacquer formulation (Amino Alkyd). Supplied in a high build, fast drying, self sealing formulation that has exceptional resistance to water, solvents and household chemicals. Magnalac represents the latest in durable, long lasting wood finishing technology. Magnalac finishes meet world E-1 standards for a better work environment.

Uses: Magnalac Pre-Catalyzed Lacquer is a user friendly, furniture quality lacquer designed for use on kitchen and bathroom cabinets, household or office furniture, and the wood parts of upholstered furniture. Meets Kitchen and Bath Association and ASTM test standards for moisture resistance.

Other MLC Products: For stain requirements, see M.L. Campbell WoodSong II Wiping Stains or Microton Spray Stains. Magnalac is self-sealing. If separate sealer is desired, use M.L. Campbell C115049 MagnaSand Sealer or C100 25 Vinyl Sealer.

Physical Properties (packaged)	
Weight per Gallon:	7.46-7.85 lbs.
Viscosity - Ford #4 at 77°F/25°C:	25-30 seconds
% Solids - by Weight:	25-30
% Solids - by Volume:	17-24
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.)	288-340 sq. ft. per gallon
Flash Point (PMCC):	46-50°F or 8-10°C
Color:	Clear to Hazy
Sheen (60° Glossmeter):	Dull: 15 ± 2, Satin: 35 ± 2, Soft Gloss: 45 ± 2, Semi-Gloss 65 ± 2, Gloss: 80 +
Packaged VOC:	664-672 g/l (5.54-5.60 lbs./gallon)
Photochemically Reactive:	No

Surface Preparation	
New Work:	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.

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 severe.
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Reduction

No reduction is required; however, small amounts of C16036 M.L. Campbell Standard Lacquer Thinner may be used if required for specific equipment. If blushing occurs use M.L. Campbell C161 1 Care Retarder.

Mixing

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

Application Procedure

For best results and maximum durability, Magnalac Pre-Catalyzed Lacquer should be used over itself as its own sealer or over C115049 MagnaSand Selaer or C100 25 Vinyl Sealer. It has excellent self-sealing properties and good sanding. When sanding between coats use a "Fre-Cut" (no fill) type sandpaper. Conventional nitrocellulose sealers containing stearates are not recommended. Catalyzed type coatings develop very durable finishes, but require controlled application procedures. Do not apply material in too heavy a film (4 to 5 mils wet are recommended). Too much coating weight can possibly cause recoating and durability problems. A light (scuff) sanding between coats is always recommended. A good finish can be developed, applying just 2-3 coats (at 4 to 5 wet mils per coat), but apply no more than three coats. Should be applied when temperatures in the drying room are at a minimum of 68°F (20°C). Recommended dry mil film thickness should not exceed 4-5 mils dry. Always agitate thoroughly before 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 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:	15-25 minutes		5-10 minutes
Sanding Dry:	15-30 minutes		8-12 minutes
Stacking Dry:	12 hours		30-60 minutes

Packaging/Shipping

Available Units: Gallons, Pails and Drums.

Shelf Life and Storage

- 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
- Package life is 18 months. Product is not usable after this period

DOT Classification				
Flammable Liquid	Red Label	UN 1263		

B/L Description				
Paint	UN 1263	3	PG II	

Caution				
<ul style="list-style-type: none">• 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. <i>Thank you for using M.L. Campbell Wood Finishing products.</i>				