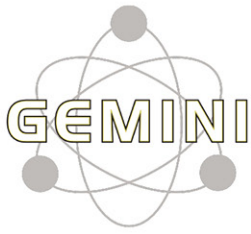


**INDUSTRIAL WOOD FINISHES**



*A Superior  
Level Of Quality*

**PRODUCT GUIDE**



INDUSTRIAL WOOD FINISHES

# PRODUCT GUIDE

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# ASTERIA

## CLEAR CONVERSION VARNISHES

ASTERIA is a premium, high solids clear conversion varnish that is incredibly easy to use. ASTERIA is a finisher's dream; It is great off the gun, lays down flat, and cures exceptionally fast for quick turnaround. It is water clear and has excellent UV stability. The easy 10% catalyst ratio makes ASTERIA fast and simple to mix and the 24 hour pot life helps ensure nothing is wasted. ASTERIA may be used with an approved companion sealer or used as a self-seal system. Super-fast, durable, and flexible, ASTERIA is the perfect choice for kitchen and bathroom cabinetry, and high end architectural millwork.

### PRODUCT ADVANTAGES:

- **Fast Cure and Easy To Spray**
- **24 Hour Pot Life**
- **Easy to Measure 10 % Catalyst Ratio**
- **Ready to Spray (after catalyzation)**
- **True Conversion Varnish, (does not contain nitrocellulose)**
- **Water Clear**
- **Excellent UV Resistance**
- **Flexible and Forgiving**
- **Self-Sealing or Use With An Approved Sealer**
- **Excellent Sanding Properties**
- **Great Vertical Hang**
- **Low HAPs, Low VOC**
- **Non Photo Chemically Reactive**
- **Phthalate Free**

### ASTERIA - Clear Conversion Varnish

#### AFCVRS-0090

*Asteria Clear Conversion Varnish - Gloss*

#### AFCVRS-0060

*Asteria Clear Conversion Varnish - Semi-Gloss*

#### AFCVRS-0030

*Asteria Clear Conversion Varnish - Satin*

#### AFCVRS-0020

*Asteria Clear Conversion Varnish - Dull*

#### AFCVRS-0010

*Asteria Clear Conversion Varnish - Flat*



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INDUSTRIAL WOOD FINISHES

# PRODUCT DATA SHEET

## ASTERIA Clear Conversion Varnish

### DESCRIPTION

ASTERIA Conversion Varnish has been specifically designed for kitchen and bathroom cabinetry, architectural millwork, and any other interior woodwork which demands excellent durability, flexibility, UV stability, water, and chemical resistance. For the finisher ASTERIA provides a coating that is easy to catalyze, has great flow and leveling and a very fast cure time which results in faster throughput for the finishing room. ASTERIA is a true, water clear conversion varnish and does not contain any nitrocellulose. ASTERIA meets or exceeds the performance parameters outlined by KCMA and ASTM. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
AFCVRS-0090 GLOSS AFCVRS-0060 SEMI-GLOSS AFCVRS-0030 SATIN AFCVRS-0020 DULL AFCVRS-0010 FLAT	<p><b>Viscosity:</b> 20-24 #2 Zahn  <b>Weight Solids:</b> 38.9-40.9%  <b>Volume Solids:</b> 31.2-32.3%  <b>Weight/Gallon:</b> 8.0-8.1 lbs./gal  <b>Coverage:</b> 500-519.9 sq. ft. per gallon at one mil dry film thickness.  <b>VOC (reg./coating):</b> 4.3-4.4 lbs./gl. or 521-527g/l  <b>VOC (act/material):</b> 3.6-3.7 lbs./gl. or 429-439 g/l  <b>VOC Ratio:</b> 1.1-1.15 lbs. VOC/lbs. Solids  <b>HAPS Ratio:</b> .05 lbs. HAPS/lbs. Solids</p> <p><b>Dry Times:</b>  <b>Air Dry:</b> at 78° F, relative humidity 50%            To touch: 8-10 minutes            To handle: 15-20 minutes            To sand/recoat: 30-35 minutes  <b>Force Dry:</b>            Flash: 8-10 minutes            Bake: 15 min @ 110° F            Cool down: 15 min            Stack immediately after cool down</p> <p>Relative humidity will affect the speed of drying. Ideal conditions are 75°F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.  <b>Dry Film Thickness:</b> Maximum DFT for a complete system must not exceed 6 dry mils.</p> <p><b>Pot Life:</b> 24 hours @ 77° F in a sealed container.  <b>Shelf Life Un-Catalyzed:</b> 12 months @ 77° F if unopened, and stored in a cool dry area. Always rotate stock.  <b>Storage:</b> Keep away from heat or sparks.</p>	<p><b>Catalyzation:</b>            10 parts AFCVRS-00XX to 1 part CAT10-0700 Catalyst (10% by volume)</p> <p><b>NOTE: DO NOT add more than the recommended amount of catalyst! This will not make the product cure faster or harder and may cause cracking, haziness, gloss issues, and will affect the integrity of the final product.</b></p> <p><b>Reduction:</b>  <b>Important:</b> Always catalyze <i>BEFORE</i> reducing!</p> <p><b>Thinning:</b> This product is supplied ready to spray (after catalyzation). If needed due to conditions in your facility, use SOL-9059 HAPs Free Reducer or SOL-9011 HAPs Free Thinner at levels not to exceed 5% by volume.*</p> <p><b>Retarder:</b> If a slower dry time is desired, use SOL-9012 Haps Free Retarder at levels not to exceed 4% by volume.*</p> <p>*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.</p> <p><b>Approved Companion Products</b>            ASTVS-0200 ASTERIA Vinyl Sealer            CVS-0400 CV Vinyl Sealer            CVS-0100 CV Vinyl Sealer            PVS-0100 NEXUS Precat Vinyl Sealer            CVP-1000 PRESIDIO White Vinyl Primer            CVP-1100 PRESIDIO HS White Primer</p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>➤ Fast Cure</li> <li>➤ Easy To Measure 10% Catalyst Ratio</li> <li>➤ Water Clear</li> <li>➤ Excellent Clarity</li> <li>➤ Self-Sealing</li> <li>➤ Superb Sanding Properties When Used As A Self-Seal System</li> <li>➤ Excellent UV Resistance</li> <li>➤ Meets Or Exceeds KCMA And ASTM Requirements When Applied To Manufacturer Specifications</li> <li>➤ Non Photo Chemically Reactive</li> <li>➤ Phthalate Free</li> </ul> <p><i>Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior</i></p>		



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# ASTERIA

## VINYL SEALER

**ASTERIA Vinyl Sealer is a super-premium, vinyl modified conversion varnish sealer.** Asteria has been formulated to use in conjunction with our Asteria Conversion Varnish and like the topcoat it is great off the gun, lays down flat, and cures exceptionally fast for quick turnaround. It has outstanding build and holdout and is also water clear with excellent UV stability. The easy 10% catalyst ratio makes Asteria Vinyl Sealer fast and simple to mix and the 24 hour pot life helps ensure nothing is wasted. In conjunction with our Asteria Conversion Varnish topcoat this sealer provides an outstanding finish for kitchen and bathroom cabinetry, and high end architectural millwork.

### PRODUCT ADVANTAGES:

- Super Fast Cure And Easy To Spray
- 24 Hour Pot Life
- Easy To Measure 10 % Catalyst Ratio
- Ready To Spray (after catalyzation)
- True Conversion Varnish Technology  
(contains no nitrocellulose)
- Water Clear
- Excellent UV Resistance
- Superior Sanding Properties
- Low HAPs, Low VOC
- Non Photo Chemically Reactive
- Phthalate Free



**ASTERIA  
VINYL SEALER**

**ASTVS-0200**  
Asteria Vinyl Sealer

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ASTERIA CV Vinyl Sealer
ASTVS-0200

DESCRIPTION

ASTERIA CV Vinyl Sealer is a post-catalyzed vinyl sealer formulated with the latest in resin technology, and provides the finisher with a high solids sealer that exhibits both exceptional sanding properties, and quick cure profile for fast turnaround. ASTERIA is a true, water clear conversion varnish sealer and does not contain any nitrocellulose. ASTERIA CV Vinyl Sealer is easy to catalyze, and has excellent penetration of the substrate and superior build. For wood substrates only. For interior use only.

Table with 3 columns: PRODUCT NUMBERS / SHEENS, COATING PROPERTIES, and PREPARATION INSTRUCTIONS. Includes sections for PRODUCT ADVANTAGES, DRY TIMES, and STORAGE.

Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.

The following supersedes any provision contained in the forms, letters and papers of your company. This product is designed and intended for professional application only. All products should be thoroughly tested under application conditions prior to use. The information contained herein is believed to be reliable. HOWEVER, GEMINI MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.



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THE

# Craftsman

premium  
WIPING STAINS

COLLECTION

Modern Color Palette, WITH TIMELESS APPEAL



The Craftsman Collection of premium wiping stains are available in two formulas CC00XX-Standard VOC and CC24XX - 240 VOC. The Craftsman Collection is a spectacular fusion of color and technology that offers you the very best in wood stains!



**Shaker Maple**  
CC0002 - Standard VOC  
CC2402 - 240 VOC



**Woodsmoke**  
CC0003 - Standard VOC  
CC2403 - 240 VOC



**Sandstone**  
CC0008 - Standard VOC  
CC2408 - 240 VOC



**Driftwood**  
CC0006 - Standard VOC  
CC2406 - 240 VOC



**Tobacco**  
CC0007 - Standard VOC  
CC2407 - 240 VOC



**Hazelnut**  
CC0016 - Standard VOC  
CC2416 - 240 VOC



**Gunstock**  
CC0010 - Standard VOC  
CC2410 - 240 VOC



**Java**  
CC0015 - Standard VOC  
CC2415 - 240 VOC



**Spiced Walnut**  
CC0005 - Standard VOC  
CC2405 - 240 VOC



**Toffee**  
CC0014 - Standard VOC  
CC2414 - 240 VOC



**Espresso**  
CC0004 - Standard VOC  
CC2404 - 240 VOC



**Colonial**  
CC0013 - Standard VOC  
CC2413 - 240 VOC

**ATTENTION** Due to different substrates, wood density, sanding, wiping, application methods and atmospheric conditions always check actual stain color for accuracy before finish work process begins. Gemini is not responsible for color variance following application of the product.

**CRAFTSMAN FINISHING GLAZES**  
see back side of this flyer

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THE *Craftsman* COLLECTION **FINISHING GLAZES**

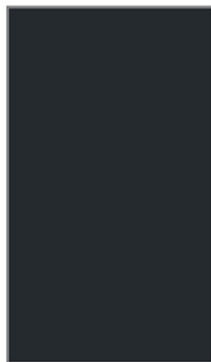
The Gemini Craftsman Collection offers a full family of wood finishing glazes in six dynamic colors and a natural base for tinting (GL 1000)



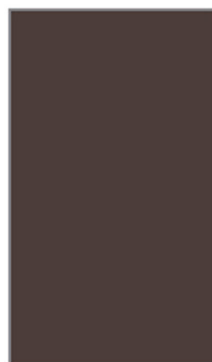
NATURAL  
GL 1000



WHITE  
GL 1200



JET BLACK  
GL 1300



VAN DYKE  
BROWN  
GL 1400



RAW  
UMBER  
GL 1450



BURNT  
UMBER  
GL 1700

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**AWI** **KCMA**  
**NBMMA** **CMA**







# EVO®

*the evolution of coatings  
in progress!*



## EVO HYDRO-PURE CLEAR WATERBORNE COATINGS

HYDRO-PURE® Waterborne coatings are the definition of "Green". They are completely Formaldehyde Free, HAPs Free, extremely low VOC and have no odor. What does this mean for you? It means HYDRO-PURE is a safe and environmentally friendly solution for your wood coatings needs while retaining the toughness and durability you demand. HYDRO-PURE is also easier to apply than most low VOC solvent based coatings, with no need for costly thinners. Making the move from solvent-borne to waterborne coatings is now a reality. **Break the mold and move to HYDRO-PURE®!**

### Hydro-Pure® Clear is ideal for:

- Kitchen Cabinetry
- Architectural Millwork And Casework
- Wood Furniture
- Interior Doors and Moldings
- Field Finishing On Site

### Hydro-Pure® Clear Product Advantages:

- Low Odor-Finish in Shop or On-Site with No Smell
- Fast Dry-Dries like Solvent Based Coatings
- Easier To Apply than Most Low VOC Solvent Based Coatings
- No Blue Haze
- Superior Clarity
- Tough And Durable Film
- Meets KCMA Performance Requirements, When Applied to Manufacturer's Specifications
- Extremely Low VOC
- HAPs Free
- Formaldehyde Free
- Phthalate Free



### HYDRO-PURE® Clear System

- HPURE-0100 *Sealer*
- HPURE-0060 *Semi-Gloss (60°)*
- HPURE-0030 *Satin (30°)*
- HPURE-0020 *Dull (20°)*
- HPURE-0010 *Flat (10°)*

### HYDRO-PURE® CLEAR

*Tough and Durable  
Outstanding Clarity  
Green Coating that Actually Works  
Water Cleanup*



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MADE IN THE UNITED STATES

**for HYDRO-PURE Whites see flip side**



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## EVO HYDRO-PURE WHITE WATERBORNE COATINGS

HYDRO-PURE® Waterborne coatings are the definition of "Green". They are completely Formaldehyde Free, HAPs Free, extremely low VOC and have no odor. What does this mean for you? It means HYDRO-PURE is a safe and environmentally friendly solution for your wood coatings needs while retaining the toughness and durability you demand. HYDRO-PURE is also easier to apply than most low VOC solvent based coatings, with no need for costly thinners. Making the move from solvent-borne to waterborne coatings is now a reality. **Break the mold and move to HYDRO-PURE®!**

### Hydro-Pure® White is ideal for:

- Kitchen Cabinetry
- Architectural Millwork And Casework
- Wood Furniture
- Interior Doors And Moldings
- Field Finishing On Site

### PRODUCT ADVANTAGES:

- Low Odor- Finish In Shop Or On Site With No Smell
- Fast Dry-Dries Like Solvent Based Coatings
- Easier To Apply Than Most Low VOC Solvent Based Coatings
- Excellent Build And Hiding Power
- Smooth Silky Appearance
- Tough And Durable Film
- Meets KCMA Performance Requirements, When Applied to Manufacturer's Specifications
- Virtually VOC Free
- HAPs Free
- Formaldehyde Free
- Phthalate Free



### HYDRO-PURE® White System

- HPUREW-1000 *Primer*
- HPUREW-1060 *Semi-Gloss (60°)*
- HPUREW-1030 *Satin (30°)*
- HPUREW-1020 *Dull (20°)*
- HPUREW-1010 *Flat (10°)*

### HYDRO-PURE® WHITE

*Tough and Durable  
Smooth and Silky Finish  
Green Coating that Actually Works  
Water Cleanup*



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February, 2020





INDUSTRIAL WOOD FINISHES

## GEM VAR

### CLEAR CONVERSION VARNISH

#### PRODUCT ADVANTAGES:

- HAPs Compliant
- Ready To Spray (*Once Catalyzed*)
- Water Clear
- Excellent UV Resistance
- 4 day pot life
- Silky Smooth Feel
- Extremely Durable And Moisture Resistant
- Self- Sealing
- No Critical Recoat Time
- Catalyst Supplied In Pre-Measured Containers
- Exceeds KCMA And ASTM Performance Requirements, When Applied To Manufacturer's Specifications
- Non Photo Chemically Reactive
- Phthalate Free

**GEMINI INDUSTRIAL WOOD FINISHES**  
*A Superior Level Of Quality*



**GEM VAR®**  
**Clear Conversion Varnish**  
*"state of the art" technology  
in an easy to use system!*

**UCV-0090** - Gloss (90°)  
**UCV-0060** - Semi-Gloss (60°)  
**UCV-0030** - Satin (30°)  
**UCV-0010** - Flat (10°)



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# GEM VAR

## CLEAR CONVERSION VARNISH



### GEM VAR®

#### Clear Conversion Varnish

*"state of the art" technology  
in an easy to use system!*

**UCV-0090** - Gloss (90°)

**UCV-0060** - Semi-Gloss (60°)

**UCV-0030** - Satin (30°)

**UCV-0010** - Flat (10°)

### *The ULTIMATE in wood finishing technology in an easy to use system.*

Gem Var® Clear Conversion Varnish is a water clear, non-yellowing catalyzed varnish with an extended 4 day pot life after catalyzation! Truly "state of the art" technology offering the highest of quality in an easy to use package.

Gem Var® can be used self-sealing, or if a separate sealer is used, we recommend using either CVS-0100 or CVS-0400 Clear Conversion Varnish Catalyzed Sealers. Gem Var® addresses environmental and safety concerns by its low HAPs and low VOC formulation.

#### **Gem Var® is ideal for:**

- **Wood Cabinetry**
- **Architectural Millwork**
- **Wood Furniture**
- **All Interior Wood Surfaces**

#### **Gem Var® Clear Conversion Varnish**

- **State-Of-The-Art**
- **Easy Application**
- **Extended Pot Life**



Front Cabinetry Image Courtesy of Gemini Customer Crestwood, inc. Salina Kansas



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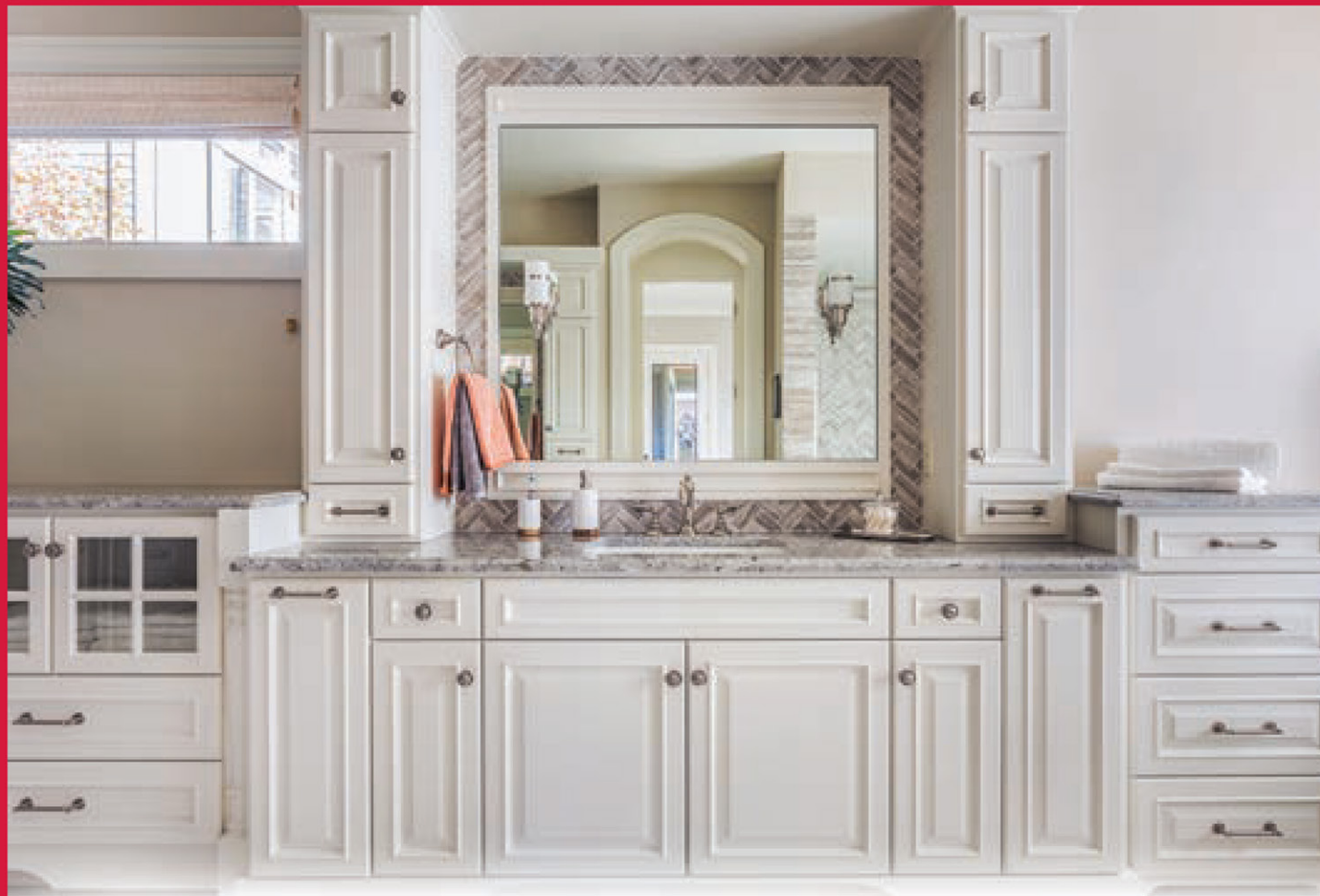
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## **GEM VAR** WHITE CONVERSION VARNISH

### **PRODUCT ADVANTAGES:**

- **Ultra-Low Formaldehyde**
- **Excellent UV Resistance**
- **24 Hour Pot Life**
- **Silky Smooth Feel**
- **Exceptional Water and Chemical Resistance**
- **Short Filled Containers to Allow for Tinting and The Addition Of Catalyst**
- **Catalyst Supplied In Pre-Measured Containers**
- **Exceeds KCMA And ASTM Performance Requirements, When Applied To Manufacturer's Specifications**
- **AWI System 5**
- **Non Photo Chemically Reactive**
- **Phthalate Free**

**GEMINI INDUSTRIAL WOOD FINISHES**  
*A Superior Level Of Quality*



**GEM VAR®**  
**White Conversion Varnish**  
*"state of the art" technology  
in an easy to use system!*

**UCV-1090** - Gloss (90°)  
**UCV-1060** - Semi-Gloss (60°)  
**UCV-1030** - Satin (30°)  
**UCV-1010** - Flat (10°)



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# GEM VAR

## WHITE CONVERSION VARNISH



### GEM VAR®

#### White Conversion Varnish

*"state of the art" technology  
in an easy to use system!*

**UCV-1090** - Gloss (90°)

**UCV-1060** - Semi-Gloss (60°)

**UCV-1030** - Satin (30°)

**UCV-1010** - Flat (10°)

### *The ULTIMATE in wood finishing technology in an easy to use system.*

Gem Var® White Conversion Varnish is truly "state of the art" technology offering the highest quality in an easy to use package. Gem Var® White may be used with any one of Gemini's approved Conversion Varnish primer/surfacers, and yields a finish system that exceeds all KCMA performance requirements. Gem Var® White also addresses environmental and safety concerns by its low HAPs and low VOC formulation.

#### **Gem Var® White is ideal for:**

- **Kitchen Cabinetry**
- **Bathroom Cabinetry**
- **Architectural Millwork**
- **Wood Furniture**
- **All Interior Wood Surfaces**

#### **Gem Var® White Conversion Varnish**

- **Exceptional Durability and Water Resistance**
- **Easy Application**
- **24 Hour Pot Life**



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# NEXUS

## CLEAR PRE-CATALYZED LACQUERS

**Gemini Industrial Wood Coatings is proud to introduce our new line of NEXUS Clear pre-catalyzed Lacquers.**

NEXUS clear pre-catalyzed lacquers have been specifically formulated to be easy to use while maintaining excellent durability and outstanding flexibility. NEXUS works extremely well as both a self-seal system or with one of Gemini's pre-catalyzed sealers depending on your needs. From top to bottom, Gemini NEXUS pre-catalyzed coatings are a great choice for wood finishing needs today! **Some of the many exciting features and benefits offered by NEXUS pre-cats include:**

- Meets or Exceeds all KCMA Performance Requirements
- Contains UV Inhibitor
- Improved Flexibility
- Superb Flow and Leveling
- Quicker Dry Times and Faster Stack Times
- Self-Sealing Formula
- Extremely User-Friendly with "Ready-To-Go Right Out of the Bucket" Capability
- Water Clear
- Non Photo Chemically Reactive
- Phthalate Free



### NEXUS CLEAR PRECATALYZED LACQUERS

**PC-0490**  
Nexus Clear Precat - **GLOSS**

**PC-0460**  
Nexus Clear Precat - **SEMI-GLOSS**

**PC-0430**  
Nexus Clear Precat - **SATIN**

**PC-0420**  
Nexus Clear Precat - **DULL**

**PC-0410**  
Nexus Clear Precat - **FLAT**

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INDUSTRIAL WOOD FINISHES

# PRODUCT DATA SHEET

**NEXUS**  
Clear Pre-Catalyzed Lacquer  
PC-04XX Series

## DESCRIPTION

NEXUS is a new generation of pre-catalyzed lacquers specifically designed to combine ease of use with exceptional durability. These topcoats are water clear, have excellent sanding properties, and may be combined either with a companion sealer or used self-sealing. Formulated for kitchen and bathroom cabinetry, architectural woodwork, and fine furniture. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
PC-0490 Gloss (90°) PC-0460 Semi-Gloss (60°) PC-0430 Satin (30°) PC-0420 Dull (20°) PC-0410 Flat (10°)	<b>Viscosity:</b> 17-21 #4 Ford <b>Weight Solids:</b> 26.33-27.84 % <b>Volume Solids:</b> 19.24-20.55 % <b>Weight/Gallon:</b> 7.73-7.76 lbs./gal <b>Coverage:</b> 309-330 sq. ft. per gallon at one mil dry film thickness.  <b>VOC (reg./coating):</b> 5.46-5.56 lbs./gl. or 654-666 g/l <b>VOC (act/material):</b> 4.81-4.89 lbs./gl. or 576-586 g/l <b>VOC Ratio:</b> 2.25-2.43 lbs. VOC/lbs. Solids <b>HAPS Ratio:</b> 0.08-0.09 lbs. HAPS/lbs. Solids  <b>Dry Times:</b> <b>Air Dry:</b> at 78°F, relative humidity 50% To touch: 6 minutes To Handle: 12 minutes To sand/recoat: 18-22 minutes <b>Force Dry:</b> Flash: 8-10 minutes Bake: 15 @110°F minutes Cool down: 10 minutes Stack: 1 hour after cool down Relative humidity will affect the speed of drying. Ideal conditions are 75°F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.  <b>Dry Film Thickness:</b> <i>Maximum DFT for a complete system must not exceed 5 dry mils.</i>  <b>Pot Life:</b> N/A  <b>Shelf Life:</b> 12 months @77° F if unopened and stored in a cool dry area. Always rotate stock. <b>Storage:</b> Keep away from heat or sparks.	<b>Catalyzation:</b> This product comes pre-catalyzed. Do NOT add catalyst.  <b>Reduction:</b> <b>Thinning:</b> If needed due to conditions in your facility use SOL-9059 HAPs Free Reducer, or SOL-9011 HAPs Free Thinner at levels not to exceed 10% by volume*  <b>Retarder:</b> If a slower dry time is desired, use SOL-9012 Haps Free Retarder at levels not to exceed 5% by volume*  <b>Note:</b> Effective dry times will be lengthened if retarder is added  *Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.  <b>Approved Companion Products</b> <b>PVS-0100 NEXUS Pre-cat Vinyl Sealer</b> <b>USM-0350 Ultra Seal Max</b>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>➤ Ready to Spray</li> <li>➤ Excellent Flow And Leveling Properties</li> <li>➤ Self-Sealing</li> <li>➤ Superior Sanding Properties</li> <li>➤ Water Clear</li> <li>➤ Contains UV Inhibitor</li> <li>➤ Meets KCMA and ASTM Requirements When Applied To Manufacturer Specifications</li> <li>➤ Non Photo Chemically Reactive</li> <li>➤ Phthalate Free</li> </ul>		
<p><i>Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.</i></p>		

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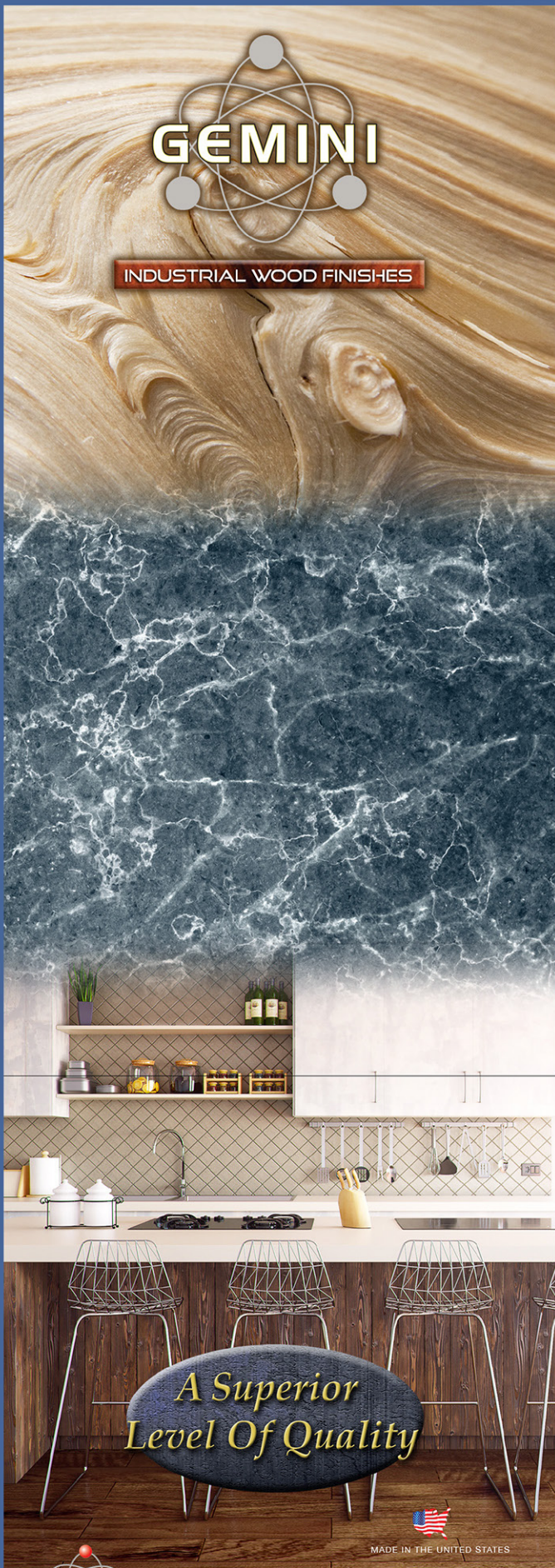
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*A Superior  
Level Of Quality*



MADE IN THE UNITED STATES

# NEXUS CORE CONVERSION LACQUER

*At the CENTER of a beautiful kitchen, at the HEART  
of someone's home, at the CORE is a beautiful finish;*

Core is a new finish technology from Gemini Industries  
that is focused on ease of use without sacrificing durability.

## **THE CORE OF A BEAUTIFUL FINISH!**

### **PRODUCT ADVANTAGES:**

- Self-Sealing, Two Coat System. No Sealer Necessary
- 4 Month Pot life After Catalyzation
- Superior Resistance to Yellowing Compared to Conventional Pre-Catalyzed Lacquers
- Superior Chemical Resistance Compared to Conventional Pre-Catalyzed Lacquers
- Exceeds KCMA Performance Requirements When Applied To Manufacturer's Specifications
- Non Photo Chemically Reactive
- Phthalate Free



### **NEXUS Core Conversion Lacquer**

<b>NXC-0790</b>	<i>Gloss</i>
<b>NXC-0760</b>	<i>Semi-Gloss</i>
<b>NXC-0730</b>	<i>Satin</i>
<b>NXC-0720</b>	<i>Dull</i>
<b>NXC-0710</b>	<i>Flat</i>

### **NEXUS Core is ideal for:**

*Kitchen Cabinetry  
Bathroom Cabinetry  
Architectural Millwork  
Wood Furniture  
All Interior Wood Surfaces*

**NEXUS Core**  
Super Durable  
EASY

4 Month Pot Life Once Catalyzed  
Resists Yellowing



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# PRODUCT DATA SHEET

## CORE

Clear Conversion Lacquer

### DESCRIPTION

NEXUS CORE is a high solids, crosslinked, alkyd/amino coating providing superior water and chemical resistance compared to standard pre-catalyzed lacquers. It also exhibits excellent resistance to yellowing and great sanding properties. Formulated specifically for kitchen and bathroom cabinetry, architectural woodwork, and fine furniture. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
NXC-0790 GLOSS NXC-0760 SEMI-GLOSS NXC-0730 SATIN NXC-0720 DULL NXC-0710 FLAT	<p><b>Viscosity:</b> 25-27' #2 Zahn  <b>Weight Solids:</b> 30.7-32.3%  <b>Volume Solids:</b> 23.3- 24.2%  <b>Weight/Gallon:</b> 7.8-7.9 lbs./gal  <b>Coverage:</b> 374-392 sq. ft. per gallon at one mil dry film thickness.</p> <p><b>VOC (reg/coating):</b> 5.3-5.4 lbs./gl. or 636-645 g/l  <b>VOC (act/material):</b> 5.3-5.37 lbs./gl. or 634-644 g/l  <b>VOC Ratio:</b> 2.1-2.2 lbs. VOC/lbs. Solids  <b>HAPS Ratio:</b> 0.05 lbs. HAPs/lbs. Solids</p> <p><b>Dry Times:</b>  <b>Air Dry:</b> at 78°F, relative humidity 50%            To touch: 12 minutes            To Handle: 20 minutes            To sand/recoat: 45 minutes  <b>Force Dry:</b>            Flash: 8-10 minutes            Bake: 15 @110°F minutes            Cool down: 10 minutes            Stack: 1 hour after cool down            Relative humidity will affect the speed of drying. Ideal conditions are 75°F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.</p> <p><b>Dry Film Thickness:</b> <i>Maximum DFT for a complete system must not exceed 5 dry mils.</i></p> <p><b>Pot Life:</b> 120 days (4 months) once catalyzed</p> <p><b>Shelf Life:</b> 12 months @77° F if unopened, un-catalyzed and stored in a cool dry area. Always rotate stock.  <b>Storage:</b> Keep away from heat or sparks.</p>	<p><b>Catalyzation: THIS PRODUCT <u>MUST</u> BE CATALYZED EITHER BY THE DISTRIBUTOR OR END USER.</b>            Containers are short filled to allow for catalyst. Use pre-packaged catalyst kit:  <b>To catalyze add:</b>            2 oz of NXCAT-0700 to gallon container            10 oz of NXCAT-0700 to 5 gallon pail            100 oz of NXCAT-0700 to drum  <b>This is equal to 1.59% by volume</b>  <b>NOTE: DO NOT add more than the recommended amount of catalyst! This will not make the product cure faster or harder and may cause cracking, haziness, gloss issues, and will affect the integrity of the final product.</b></p> <p><b>Reduction:</b>  <b>Thinning:</b> If needed due to conditions in your facility use SOL-9059 HAPs Free Reducer, or SOL-9011 HAPs Free Thinner at levels not to exceed 10% by volume*</p> <p><b>Retarder:</b> If a slower dry time is desired, use SOL-9056 PM Acetate not to exceed 8% by volume or SOL-9012 Haps Free Retarder at levels not to exceed 5% by volume*</p> <p>*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.</p> <p><b>Approved Companion Products</b>  <b>PVS-0100 NEXUS Pre-cat Vinyl Sealer</b>  <b>USM-0350 Ultra Seal Max</b></p> <p><i>Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior</i></p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>➤ High Solids</li> <li>➤ Water Clear</li> <li>➤ Self-Sealing</li> <li>➤ Highly Crosslinked Coating Increases Performance Compared To Standard Precats</li> <li>➤ 120 Day Pot Life Once Catalyzed</li> <li>➤ Contains UV Inhibitor</li> <li>➤ Extremely low HAPs</li> <li>➤ Meets or exceeds KCMA Requirements When Applied To Manufacturer Specifications</li> <li>➤ Non Photo Chemically Reactive</li> <li>➤ Phthalate Free</li> </ul>		

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# NEXPRIME

## PRECAT PRIMER

NEXPRIME is a HAPs Free, alkyd-amino pre-catalyzed primer that has been formulated to combine the benefits of fast dry and excellent sanding properties, while still maintaining excellent resistance to moisture. NEXPRIME was designed specifically with the finisher in mind.

We know you need a product that will stand up to everyday use, but that you also need it to be simple and easy to use. NEXPRIME has been formulated specifically to be used with our pre-catalyzed topcoats to provide excellent water resistance and flexibility for use on kitchen and bathroom cabinetry, and architectural millwork.

### PRODUCT ADVANTAGES:

- **Pre-Catalyzed at the Factory**
- **Dries Fast and Sands Easy**
- **Great Build and Holdout**
- **Perfect for MDF**
- **Excellent Flow and Leveling Properties**
- **Meets KCMA Performance Requirements**  
**When Applied to Manufacturers Specifications**
- **Non Photo Chemically Reactive**
- **HAPS Free**
- **Phthalate Free**



**NEXPRIME**  
*Precat Primer*

**NEXP-6000**

*A Superior  
Level Of Quality*



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# PRODUCT DATA SHEET

## NEXPRIME PRECAT PRIMER

### DESCRIPTION

NEXPRIME is a HAPs Free, alkyd-amino pre-catalyzed primer that has been formulated to combine the benefits of fast dry and excellent sanding properties, while still maintaining excellent resistance to moisture. It has been specifically formulated for use under Gemini's family of pre-catalyzed topcoats on kitchen cabinetry, bathroom cabinetry, and architectural millwork. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
NEXP-6000	<p><b>Viscosity:</b> 40-60 #4 Ford  <b>Weight Solids:</b> 51.24%  <b>Volume Solids:</b> 32.8 %  <b>Weight/Gallon:</b> 9.86 lbs./gal  <b>Coverage:</b> 527 sq. ft. per gallon at one mil dry film thickness.</p>	<p><b>Catalyzation:</b> This product comes pre-catalyzed. Do NOT add catalyst.</p>
PRODUCT ADVANTAGES	<p><b>VOC (reg./coating):</b> 4.5 lbs./gl. or 544.7 g/l  <b>VOC (act/material):</b> 4.2 lbs./gl. or 506.4 g/l  <b>VOC Ratio:</b> 0.84 lbs. VOC/lbs. Solids  <b>HAPS Ratio:</b> 0.0 lbs. HAPS/lbs. Solids</p> <p><b>Dry Times:</b>  <b>Air Dry:</b> at 78°F, relative humidity 50%  To touch: 7-10 minutes  To handle: 10-15 minutes  To sand/recoat: 45-60 minutes  <b>Force Dry:</b>  Flash: 8-10 minutes  Bake: 15 minutes @110°F Cool down: 15 minutes  Stack: 1 hour after cool down  Relative humidity will affect the speed of drying. Ideal conditions are 75°F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.</p> <p><b>Dry Film Thickness:</b>  For optimal results, the DFT for this primer should be between 1- 2 mils. Please refer to the PDS for the specific topcoat you are using for maximum DFT for the complete system.</p> <p><b>Shelf Life:</b> 12 months @77° F if unopened, and stored in a cool dry area. Always rotate stock.  <b>Storage:</b> Keep away from heat or sparks.</p>	<p><b>Reduction/Thinning:</b>  This product is supplied ready to use. However, if needed due to equipment or conditions in your facility use SOL-9059 HAPs Free Reducer or SOL-9011 HAPs Free Thinner at levels not to exceed 20% by volume.*  Typical reduction is usually no more than 10%.</p> <p><b>Tinting:</b>  Although not controlled for tint strength, this product may be tinted up to 4 oz per gallon with Chromaflow 844 colorants.  <b>Never tint with Universal Colorants that contain Glycol.</b></p> <p>*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.</p> <p><b>Approved Companion Products</b>  <b>NEXUS White Precat NEXW-15XX Series</b>  <b>PC-10X0 Series</b></p> <p><i>Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior</i></p>
<ul style="list-style-type: none"> <li>➤ Pre-catalyzed From The Factory</li> <li>➤ Great Build And Holdout on MDF</li> <li>➤ Fast Dry And Great Sanding Properties</li> <li>➤ Meets KCMA and ASTM Performance Requirements When Applied To Manufacturers Specifications</li> <li>➤ HAPs Free</li> <li>➤ Non Photo Chemically Reactive</li> <li>➤ Phthalate Free</li> </ul>		

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# NEXUS

## PRE-CATALYZED VINYL SEALER

Gemini Industrial Wood Coatings is proud to announce our newest sealer, **NEXUS pre-catalyzed vinyl sealer!** This superior grade sealer is water clear, and has been designed using crosslinking vinyl resin technology for improved moisture and chemical resistance for use under our pre-catalyzed and ASTRA finishing systems.

NEXUS vinyl sealer is supplied pre-catalyzed from the factory, is incredibly easy to spray, and has exceptional curing and sanding properties.

### PRODUCT ADVANTAGES:

- Crosslinking Vinyl Resin Technology
- Fast Recoat Times
- Exceptional Sanding Quality
- Very Forgiving And Extremely Easy To Use
- Water Clear
- Improved Water And Chemical Resistance Over Conventional And Non-Stearated Sealers
- Non-Photo Chemically Reactive
- Phthalate Free

### NEXUS PRECATALYZED VINYL SEALER

**PVS-0100**  
Precatalyzed Vinyl Sealer



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# PRODUCT DATA SHEET

**NEXUS**  
Pre-catalyzed Vinyl Sealer  
PVS-0100

## DESCRIPTION

NEXUS Pre-catalyzed Vinyl Sealer is a catalyzed vinyl sealer designed for improved moisture and chemical resistance when compared to conventional non-stearated sealers. This sealer is supplied pre-catalyzed from the factory, is incredibly easy to spray, and has exceptional curing and sanding properties. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
PVS-0100	<p><b>Viscosity:</b> 25 #2 Zahn  <b>Weight Solids:</b> 22 %  <b>Volume Solids:</b> 16%  <b>Weight/Gallon:</b> 7.46 lbs./gal  <b>Coverage:</b> 250 sq. ft. per gallon at one mil dry film thickness.</p> <p><b>VOC (reg./coating):</b> 5.6 lbs./gl. or 672 g/l  <b>VOC (act/material):</b> 4.51 lbs./gl. or 541 g/l  <b>VOC Ratio:</b> 2.74 lbs. VOC/lbs. Solids  <b>HAPS Ratio:</b> 0.138 lbs. HAPS/lbs. Solids</p> <p><b>Dry Times:</b>  <b>Air Dry:</b> at 78° F, relative humidity 50%            To touch: 6 minutes            To handle: 8 minutes            To sand/recoat: 15 minutes  <b>Force Dry:</b>            Flash: 8-10 minutes            Bake: 15 min @ 110° F            Cool down: 15 min            Stack immediately after cool down            Relative humidity will affect the speed of drying. Ideal conditions are 75° F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.</p> <p><b>Dry Film Thickness:</b>            For best results, the DFT for this sealer should be between .5-1.2 mils. Please refer to the PDS for the specific topcoat you are using for maximum DFT for the complete system.</p> <p><b>Shelf Life:</b> 18 months @77° F if unopened and stored in a cool dry area. Always rotate stock.  <b>Storage:</b> Keep away from heat or sparks.</p>	<p><b>Catalyzation:</b> This product comes pre-catalyzed. Do NOT add catalyst.</p> <p><b>Reduction:</b>  <b>Thinning:</b> If needed due to conditions in your facility use SOL-9059 HAPs Free Reducer, or SOL-9011 HAPs Free Thinner at levels not to exceed 5% by volume*</p> <p><b>Retarder:</b> If a slower dry time is desired, use SOL-9012 Haps Free Retarder at levels not to exceed 3% by volume*</p> <p>*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.</p> <p><b>Approved Companion Products</b>            NEXUS PRECAT PC-04X0 Series            ASTRA CV ASTRA-00XX Series</p> <p><i>Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.</i></p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>➤ Ready To Spray</li> <li>➤ Fast Recoat Time</li> <li>➤ Excellent Sanding Properties</li> <li>➤ Water Clear</li> <li>➤ Improved Water And Chemical Resistance Over Conventional Non-Stearated Sealers</li> <li>➤ Meets KCMA Requirements When Applied To Manufacturer Specifications</li> <li>➤ Non Photo Chemically Reactive</li> <li>➤ Phthalate Free</li> </ul>		

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Front Cabinetry Image Courtesy of Gemini Customer Crestwood, inc. Salina Kansas

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# NEXUS

## WHITE PRE-CATALYZED LACQUERS

Gemini Industrial Wood Coatings is proud to introduce our new line of NEXUS White Pre-catalyzed Lacquers. They have been specifically designed for use on kitchen and bathroom cabinetry, architectural millwork, and any other surface that requires a durable and flexible pigmented finish. NEXUS White Pre-catalyzed Lacquer is ready to use with no need for reduction and has been specifically formulated as a controlled white tint base.

*Some of the many exciting features and benefits offered by Gemini's NEXUS white pre-catalyzed lacquers include:*

- Dries and cures fast for quick turn around
- Easy and forgiving to spray
- Superior flow, leveling, and hiding properties
- Self-sealing or use with a companion primer
- Excellent water resistance - passes 10 days ASTM water immersion test D870-92
- Meets or exceeds KCMA requirements when applied to manufacturer specifications
- Controlled tint base
- Short filled for easy tinting
- Non photo chemically reactive
- Phthalate free



### **NEXUS WHITE PRE-CATALYZED LACQUERS**

- NEXUS-1560**  
Nexus White Pre-Cat - 60 Sheen
- NEXUS-1540**  
Nexus White Pre-Cat - 40 Sheen
- NEXUS-1530**  
Nexus White Pre-Cat - 30 Sheen
- NEXUS-1520**  
Nexus White Pre-Cat - 20 Sheen
- NEXUS-1510**  
Nexus White Pre-Cat - 10 Sheen

**Companion Products Include:**  
**NPRW-5000**  
Nexus Pre-catalyzed Primer

Available In Gallons, Fives  
and 55 Gallon Drums

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# PRODUCT DATA SHEET

## Nexus White Pre-Cat NEXW-15XX

### DESCRIPTION

NEXUS White Precat is reactive, alkyd-amino, pre-catalyzed lacquer that is extremely durable and forgiving. It atomizes easily and flows out to a beautiful and smooth finish with a great feel. NEXUS White Precat has undergone rigorous testing and has been formulated specifically for kitchen cabinetry, architectural millwork and any interior wood surface that requires a combination of durability, water resistance, and ease of use. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
NEXW-1560 (60°) NEXW-1540 (40°) NEXW-1530 (30°) NEXW-1520 (20°) NEXW-1510 (10°)	<p><b>Viscosity:</b> 28-33 #4 Ford <b>Weight Solids:</b> 42.07-43.4 <b>Volume Solids:</b> 25.23-26.68 <b>Weight/Gallon:</b> 9.2-9.25 lbs./gal <b>Coverage:</b> 405-428 sq. ft. per gallon at one mil dry film thickness.</p> <p><b>VOC (reg./coating):</b> 5.01-5.12 lbs./gl. or 601-613 g/l <b>VOC (act/material):</b> 4.73-4.82 lbs./gl. or 567-578 g/l <b>VOC Ratio:</b> 1.17-1.21 lbs. VOC/lbs. Solids <b>HAPS Ratio:</b> 0.1338-0.1407 lbs. HAPS/lbs. Solids</p> <p><b>Dry Times:</b> <b>Air Dry:</b> at 78°F, relative humidity 50% To touch: 5 minutes To Handle: 10 minutes To sand/recoat: 50-60 minutes <b>Force Dry:</b> Flash: 8-10 minutes Bake: 15 @110°F minutes Cool down: 10 minutes Stack: 1 hour after cool down Relative humidity will affect the speed of drying. Ideal conditions are 75°F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.</p> <p><b>Dry Film Thickness:</b> <i>Maximum DFT for a complete system must not exceed 6 dry mils.</i></p> <p><b>Shelf Life:</b> 6 months @ 77° F if unopened and stored in a cool dry area. Always rotate stock.</p> <p><b>Storage:</b> Keep away from heat or sparks.</p>	<p><b>Catalyzation:</b> This product comes pre-catalyzed. Do NOT add catalyst.</p> <p><b>Reduction:</b> <b>Thinning:</b> If needed due to conditions in your facility use SOL-9059 HAPs Free Reducer or SOL-9011 HAPs Free Thinner, at levels not to exceed 15% by volume*</p> <p><b>Retarder:</b> If a slower dry time is desired, use SOL-9056 PM Acetate not to exceed 8% by volume or SOL-9012 Haps Free Retarder at levels not to exceed 5% by volume*</p> <p><b>Note:</b> Dry times will be lengthened if retarder is added</p> <p><b>Tinting:</b> This product may be tinted up to 4 oz per gal with 844 colorants. <b>Never tint with Universal Colorants that contain Glycol.</b></p> <p>*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before</p> <p><b>Approved Companion Products</b> NPRW-5000 NEXUS Precat Primer CVP-1000 PRESIDIO Vinyl Primer PVS-0100 NEXUS Vinyl Sealer</p> <p><i>Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.</i></p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>➤ Ready to Spray</li> <li>➤ Superior Flow, Leveling, And Hiding Properties</li> <li>➤ Self-Sealing Or Use With A Companion Primer</li> <li>➤ Excellent Water Resistance-Passes 10 Days ASTM Water Immersion Test D870-92</li> <li>➤ Meets Or Exceeds KCMA Requirements When Applied To Manufacturer Specifications</li> <li>➤ Controlled Tint Base</li> <li>➤ Short Filled For Easy Tinting</li> <li>➤ Non Photo Chemically Reactive</li> <li>➤ Phthalate Free</li> </ul>		

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# PRESIDIO

## WHITE PRIMER/SURFACERS

A great finish is only as good as the foundation with which it starts. You need a primer that penetrates, has great adhesion and is super smooth. Our Presidio White Conversion Varnish Primer Surfacers bring you all the great selection and attributes you are looking for, including:

### PRODUCT ADVANTAGES

- **Enhanced Hiding**
- **Outstanding Adhesion**
- **Excellent Build**
- **Excellent Sanding Properties**
- **2 Available Options**



### **PRESIDIO** **WHITE PRIMER/SURFACERS**

**CVP-1000**  
*White Vinyl Primer Surfacer*

**CVP-1100**  
*White High Solids Primer Surfacer*

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**A Superior Level Of Quality**



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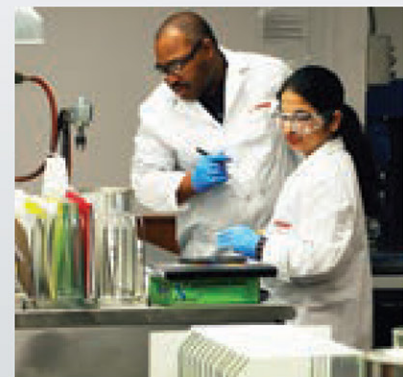


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# PRESIDIO

## WHITE PRIMER/SURFACERS



**CVP-1000**  
White Vinyl Primer Surfacer

**CVP-1100**  
White High Solids Primer Surfacer

*Presidio Primer Surfacer are formulated for maximum adhesion, flexibility, build, and great sanding.*

Presidio Primer Surfacer is available in 2 different options

### **PRESIDIO White Vinyl Primer Surfacer - CVP-1000**

*Standard Solids- Vinyl Modified. Best adhesion, best water resistance*

- 47% Solids
- Ready to Spray Once Catalyzed
- Outstanding Adhesion
- Incredibly Smooth Surface
- ASTM D870-92 Water Immersion: Passes 8 Days
- Great Hide
- Good Build
- Ships With Pre-measured Catalyst
- 30 Day Pot Life Once Catalyzed

### **PRESIDIO White High Solids Primer Surfacer - CVP-1100**

*High Solids- Great adhesion and water resistance. Best filling properties for MDF*

- 60% Solids
- Ready To Spray Once Catalyzed (depending on equipment)
- Preferred Product for MDF
- Excellent Adhesion
- ASTM D870-92 Water Immersion: Passes 5 Days
- Outstanding Build
- Excellent Hide
- Excellent Sandability
- Ships With Pre-measured Catalyst
- 24 Hour Pot Life Once Catalyzed



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## ULTRA-LACQUER® CLEAR CONVERSION COATING

**Ultra Lacquer-Post Cat- Durability-Pre-Cat Ease!** Ultra Lacquer Clear Conversion Coating offers the durability of a conversion varnish with the ease of application generally associated with pre-catalyzed lacquers. Formulated with European polymer technology, Ultra Lacquer offers the high level of durability necessary for today's cabinetry and woodwork.

### PRODUCT ADVANTAGES:

- User Friendly
- 60 Day Pot Life!
- HAPs Free
- Water Clear
- Ultra Low Formaldehyde
- High Solids
- Moisture Resistant
- Contains UV Absorber
- Catalyst Supplied In Pre-Measured Containers
- Exceeds KCMA and ASTM Performance Requirements When Applied To Manufacturer's Specifications
- Non Photo Chemically Reactive
- Phthalate Free



*A Superior  
Level Of Quality*

### Ultra Lacquer® Clear Conversion Coating

- UL-0090 Gloss (90°)
- UL-0060 Semi-Gloss (60°)
- UL-0030 Satin (30°)
- UL-0010 Flat (10°)

### Ultra Lacquer®

*is ideal for:*

- Kitchen Cabinetry
- Architectural Millwork
- Wood Furniture
- All Interior Wood Surfaces



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INDUSTRIAL WOOD FINISHES

# PRODUCT DATA SHEET

ULTRA LACQUER CLEAR  
CONVERSION COATING  
UL-00XX SERIES

## DESCRIPTION

Ultra Lacquer Clear Conversion Coating offers the durability of a conversion varnish with the ease of application generally associated with pre-catalyzed lacquers. Formulated with European polymer technology, Ultra Lacquer offers the high level of durability necessary for today's cabinetry and woodwork. For Wood Substrates Only. For Interior Use Only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
UL-0090 Gloss (90°) UL-0060 Semi-Gloss (60°) UL-0030 Satin (30°) UL-0010 Flat (10°)	<b>Viscosity:</b> 22-25 #4 Ford <b>Weight Solids:</b> 34.21-36.50 % <b>Volume Solids:</b> 26.40-28.51 % <b>Weight/Gallon:</b> 7.94-8 lbs./gal <b>Coverage:</b> 423-457 sq. ft. per gallon at one mil dry film thickness.  <b>VOC (reg./coating):</b> 4.90-5.06 lbs./gl. or 587-606 g/l <b>VOC (act/material):</b> 4.42-4.55 lbs./gl. or 530-546 g/l <b>VOC Ratio:</b> 1.53-1.69 lbs. VOC/lbs. solids <b>HAPS Ratio:</b> 0.0 lbs. HAPS/lbs. solids <b>Dry Times:</b> <b>Air Dry:</b> at 78°F, relative humidity 50% To touch: 8 minutes To Handle: 20 minutes To sand/recoat: 60 minutes <b>Force Dry:</b> Flash: 8-10 minutes Bake: 15 @110°F minutes Cool down: 10 minutes Stack: 3 hours after cool down Relative humidity will affect the speed of drying. Ideal conditions are 75°F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.  <b>Dry Film Thickness:</b> <i>Maximum DFT for the complete system must not exceed 3 dry mils.</i>  <b>Pot Life:</b> 60 Days @ 77° F in a sealed container.  <b>Shelf Life:</b> 12 months @77° F if unopened and stored in a cool dry area. Always rotate stock. <b>Storage:</b> Keep away from heat or sparks.	<b>Catalyzation:</b> Use pre-packaged catalyst kit: This is equal to 1.57 oz. of M1111 per 128 oz. of product.  <b>Reduction:</b> <b>Important:</b> Always catalyze <i>BEFORE</i> reducing!  <b>Thinning:</b> This product is supplied ready to spray (after catalyzation). If needed due to conditions in your facility, use SOL-9059 HAPs Free Reducer or SOL-9011 HAPs Free Thinner at levels not to exceed 10% by volume.* Max VOC after recommended thinning does not exceed 680 grams per liter  <b>Retarder:</b> If a slower dry time is desired, use SOL-9012 Haps Free Retarder at levels not to exceed 4% by volume*  *Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.  <b>Approved Companion Products</b> <b>NEXUS Precat Vinyl Sealer PVS-0100</b> <b>Ultra-Seal Max USM-0350</b> <b>CVS-0100</b> <b>CVS-0400</b>  <i>Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.</i>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>➤ User Friendly</li> <li>➤ 60 Day Pot Life!</li> <li>➤ HAPs Free</li> <li>➤ Water Clear</li> <li>➤ Contains UV Absorber</li> <li>➤ Ultra Low Formaldehyde</li> <li>➤ High Solids</li> <li>➤ Moisture Resistant</li> <li>➤ Catalyst Supplied In Pre-Measured Containers</li> <li>➤ Exceeds KCMA and ASTM Performance Requirements When Applied To Manufacturer's Specifications</li> <li>➤ Non Photo Chemically Reactive</li> <li>➤ Phthalate Free</li> </ul>		



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# ULTRA SEAL MAX

## PRE-CATALYZED SEALER

**Gemini has re-defined the marketplace for quality in a pre-catalyzed sealer with our Ultra-Seal MAX sealer!**

Ultra-Seal MAX has been designed and tested to be your ultimate substrate preparation tool and will assure you of an unparalleled working surface when finishing with our Gemini pre-catalyzed lacquer systems. The new Ultra-Seal MAX is a pre-catalyzed formulation that offers great chemical and water resistance in a super easy to use sealer that dries fast and sands great!

### PRODUCT ADVANTAGES:

- Virtually HAP's Free
- Great Flow and Leveling
- Fast Dry Time
- Water Clear
- Easy Sanding
- No Critical Recoat Time
- Non Photo Chemically Reactive
- Phthalate Free
- Exceeds KCMA and ASTM Performance Requirements, When Applied to Manufacturer's Specifications

**ULTRA SEAL MAX**  
*Pre-Catalyzed Sealer*

**USM-0350**



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**GEMINI**  
COATINGS

**PRODUCT DATA SHEET**

**Ultra Seal Max  
Precatalyzed Sealer**

**DESCRIPTION**

Ultra Seal Max is a high quality pre-catalyzed lacquer sealer designed for Industrial wood finishing shops. Ultra Seal Max provides rapid cure schedules, exceptional sanding properties, and also meets all of the pertinent government regulations regarding emissions and exceeds the performance parameters outlined by KCMA and ASTM. For wood substrates only. For interior use only.

PRODUCT NUMBERS / SHEENS	COATING PROPERTIES	PREPARATION INSTRUCTIONS
USM-0350	<p><b>Viscosity:</b> 21 #2 Zahn  <b>Weight Solids:</b> 22%  <b>Volume Solids:</b> 16%  <b>Weight/Gallon:</b> 7.54 lbs./gal  <b>Coverage:</b> 257 sq. ft. per gallon at one mil dry film thickness.</p> <p><b>VOC (coating):</b> 5.67 lbs./gl. or 679 g/l  <b>VOC (material):</b> 4.55 lbs./gl. or 545 g/l  <b>VOC Ratio:</b> 2.73 Lbs. VOC/Lbs. Solids  <b>HAPS Ratio:</b> 0.08 lbs. HAPS/lbs. solids</p> <p><b>Dry Times:</b>  <b>Air Dry:</b> at 78°F, relative humidity 50%            To touch: 7 minutes            To Handle: 9 minutes            To sand/recoat: 15 minutes  <b>Force Dry:</b>            Flash: 8-10 minutes            Bake: 15 min @ 110° F            Cool down: 10 min            Stack immediately after cool down            Relative humidity will affect the speed of drying. Ideal conditions are 75° F or warmer at 50% humidity or less. Dry time will be faster at higher temperatures and lower humidity and equally slower at colder temperatures and higher humidity.</p> <p><b>Dry Film Thickness:</b>            For best results, the DFT for this sealer should be between .5-1.2 mils. Please refer to the PDS for the specific topcoat you are using for maximum DFT for the complete system.</p> <p><b>Shelf Life:</b> 12 months @77° F if unopened and stored in a cool dry area. Always rotate stock.  <b>Storage:</b> Keep away from heat or sparks.</p>	<p><b>Catalyzation:</b> This product comes pre-catalyzed. Do NOT add catalyst.</p> <p><b>Reduction:</b>  <b>Thinning:</b> If needed due to conditions in your facility use SOL-9059 HAPs Free Reducer, or SOL-9011 HAPs Free Thinner at levels not to exceed 5% by volume*</p> <p><b>Retarder:</b> If a slower dry time is desired, use SOL-9012 Haps Free Retarder at levels not to exceed 3% by volume*</p> <p>*Thinning this material may result in increasing the VOC levels of this product. Refer to your local regulations before thinning.</p> <p><b>Approved Companion Products</b>  <b>NEXUS PRE-CAT PC-04X0 Series</b></p> <p><i>Note: These numbers represent actual control values on a smooth, sanded substrate. Spray techniques, texture, and sealing as well as film thickness may give different results on actual work, but they may be used for comparison. To the best of our knowledge, the above technical data is true and accurate at the date of issuance but is subject to change without prior notice.</i></p>
PRODUCT ADVANTAGES		
<ul style="list-style-type: none"> <li>➤ Virtually HAP's Free</li> <li>➤ User Friendly</li> <li>➤ Excellent Flow and Leveling</li> <li>➤ Fast Dry Time</li> <li>➤ Water Clear</li> <li>➤ No Critical Recoat Time</li> <li>➤ Non Photo Chemically Reactive</li> <li>➤ Phthalate Free</li> <li>➤ Exceeds KCMA and ASTM Performance Requirements, When Applied to Manufacturer's Specifications</li> </ul>		

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# GEMINI

INDUSTRIAL WOOD FINISHES

## GEMINI SOLVENT SELECTION

*Gemini solvents, retarders and thinners are produced with the same commitment to excellence as Gemini's wood finishes. When you are looking for superior quality, LOOK NO FURTHER THAN GEMINI FOR ALL YOUR FINISHING NEEDS!*



### GENERAL SOLVENT SELECTION

- Mineral Spirits
- VM&P Naptha
- N-Butyl Acetate
- De-Natured Alcohol
- Acetone
- Methyl Ethyl Keytone (MEK)
- Methyl Amyl Keytone (MAK)
- Toluene
- Xylene

and many more

### THINNERS/REDUCERS

**SOL-0500 Lacquer Thinner** is a general purpose, medium fast lacquer thinner used for reducing the viscosity of nitrocellulose coatings. It may also be used as a cleanup/wash solvent for spray guns, spray equipment and related tools.

**SOL-9059 HAPs Free Industrial Reducer** is a medium fast drying solvent blend formulated specifically for reduction of pre-catalyzed and post-catalyzed coatings. It uses a blend of virgin solvents that reduces viscosity very quickly in these systems. It may also be used in nitrocellulose lacquers.

**SOL-9011 HAPs Free Lacquer Thinner** is a fast drying, premium grade lacquer thinner. It uses only active, virgin solvents and may be used for nitrocellulose lacquers, pre-catalyzed lacquers, and post-catalyzed coatings. The active solvent blend reduces viscosity very quickly and efficiently.

**SOL-9032 Zero VOC Lacquer Thinner** is a fast drying, premium grade lacquer thinner that is completely VOC and HAPs free. It contains only premium virgin solvents and may be used for 275 VOC compliant nitrocellulose lacquers, pre-catalyzed lacquers, and conversion varnishes. The solvent blend reduces viscosity very quickly and efficiently.

### RETARDERS

**SOL-9012 HAPs Free Industrial Retarder** is used specifically for increasing the open time of acid catalyzed coatings. In hot or adverse conditions it will improve flow and leveling, help eliminate bubbles, and is completely HAPs free.

**SOL-9056 HAPs Free Retarder** is used specifically for increasing the open time of pre-catalyzed lacquers but will work in post-catalyzed coatings as well. In hot weather or adverse conditions (such as areas of high air flow) it will improve flow and leveling, help eliminate bubbles, reduce dry spray and eliminate blushing. SOL-9056 is completely HAPs free.

**SOL-0061 Super Retarder** is a very strong retarder designed for use in nitrocellulose coatings. It eliminates blushing, dry spray, orange peel and over spray, and is a staple product for nitrocellulose lacquer users.

**SOL-9020** is a medium retarder that is completely VOC and HAPs free. It contains only premium virgin solvent and may be added to 275 VOC compliant nitrocellulose lacquers, pre-catalyzed lacquers, and conversion varnishes to slow the dry of the coating without adding any VOC or HAPs.

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