

## Product Information (PI) Sheet

**Product:** Azoton Water Borne Dye Stains

<b>Code(s):</b>	<b>WS2WBD500</b> Walnut	<b>WS2WBD501</b> Cherry	<b>WS2WBD502</b> Dark Walnut	<b>WS2WBD503</b> Mahogany
	<b>WS2WBD504</b> Oak	<b>WS2WBD505</b> Dark Oak	<b>WS2WBD506</b> Cordovan	<b>WS2WBD507</b> Red
	<b>WS2WBD508</b> Yellow	<b>WS2WBD509</b> Orange	<b>WS2WBD512</b> Black	

**Description:** The Azoton Dye Stains are compatible with all ML Campbell water borne stains and clearcoats. Formulated using the most light fast dyes, they enhance the grain appearance of wood. These dyes are GREENGUARD certified and considered low solids stains with less than 1 lb of solids per gallon for VOC compliance.

**Uses:**

**Toner to color wood variations.** Azoton Dye Stains can be used as a sap stain to tone the variations naturally occurring in wood such as grain streaks and sap streaks.

**Staining light color woods to darker colors.** Woodsong II Azotons can be used as the first step in staining light color woods like oak, pine, and birch to a mahogany or walnut color without obscuring the grain. Apply first coat of Azoton Stain to the wood and then follow up with a second coat of Woodsong II WB Spray & Wipe Stain. This process will not obscure the grain and will give a natural look to light colored woods stained to dark colors.

**Shading lacquer.** Woodsong II Azotons can be added to M.L. Campbell products: WB Acrylic, UltraStar, Aguamente Pre-Cat, Aguabarnice Post-Cat finishes to produce a shading lacquer. It is suggested not to add more than 6 ounces of Azoton Dye Stain per gallon of finish coat. Do not add Azoton Dye Stains to solvent-based products, polyesters, or polyurethane finishes.

**Variations.** Azoton Dye Stains can be inter-mixed or added (up to 10%) to the WB Stains to give a wider range of color variations and add rich color depth.

Physical Properties (packaged)	
<b>Weight per Gallon:</b>	8.31 lbs./gal. ± .2
<b>% Solids - by Weight:</b>	0.3-4.3 ± .5
<b>% Solids - by Volume:</b>	0.2-3.0 ± .5
<b>Theoretical Coverage at 1 Mil Dry*:</b>	3.0-48.0 sq. ft./gal. *Coverage figures DO NOT INCLUDE spray loss. Also allow for surface irregularities and porosity of wood surface to be finished.
<b>Flash Point (PMCC):</b>	- 4°F
<b>Maximum VOC*:</b>	9 – 142 g/l ± 3% 0.07 – 1.18 lbs./gal. ± 3% *Total VOC
<b>Photochemically Reactive:</b>	No

Surface Preparation	
<b>New Work:</b>	Remove any dirt, grease or other contamination and sand as required, 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.

## Reduction

No reduction is required for spray application. If a lighter color is desired, the stains can be reduced with water.

## Application Procedure

Because of the fast drying nature of WoodSong II Azotons, they are designed for spray application only, and will dry too fast to be wiped. Color control can best be obtained by reducing Azotons with water 1:1, which will lighten the stain. Multiple passes can be applied in order to obtain darker colors WoodSong II Azotons are ideal for use on molding, unassembled furniture, etc. Spray guns should be operated at low pressures using small needle/nozzle setups--.8mm-1.0mm-- with 35 pounds or less on atomizing pressure.

RE-COATING: After a minimum of thirty minutes air dry, re-coat all stains with a selected finishing system or M.L. Campbell WoodSong II Spray & Wipe Stain, and then the selected M.L. Campbell finish system.

**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

- All equipment should be flushed with warm water or water/alcohol immediately after use.
- A subsequent flush with alcohol will ensure all moisture is removed from equipment.

## Drying Times (Based on normal temperatures and humidity)

**Re-Coat:** 20 minutes

## Packaging/Shipping

**Available Units:** Gallons.

## Shelf Life and Storage

- 48 months - 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

Not Regulated For Transportation

## B/L Description

Paint and Related Materials

NOIBN

Protect From Freezing

## Caution

- **THESE PRODUCTS ARE DESIGNED FOR 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.*