

# Maclac Product Data Sheet

R. J. MCLENNON CO. INC.  
198 UTAH STREET  
SAN FRANCISCO, CA 94103

PHONE (415) 552-0311  
FAX (415) 552-8055

## 19 SERIES ELS-103 DARK OAK LOW VOC STAIN (240g/l)

### Description

Maclac 19 Series stains are high solids extreme low VOC stains that incorporate the best properties of spray and wipe stains at very low VOC levels. This UL VOC stain will penetrate wood readily, and is easily wiped to a uniform appearance. These stains enhance the natural beauty in the wood. The ease of spray application and fast recoat time makes them ideal for production. These non-drying stains require a lacquer topcoat for dry and durability. Do not add these stains to lacquers. Do not use the stains on top of a lacquer or between two coats of lacquer or you will weaken adhesion and affect the dry and durability of the lacquer. See Product Line information Sheet for more information.

### Specifications

Weight per Gallon:	7.26	Coating VOC:	240 G/L 2.00 Lb/gal
Solids by Weight %:	24.33	Material VOC:	63 G/L 0.53 Lb/gal
Solids by Volume %:	17.50	VOC Weight Ratio	=0.29 Lb VOC/Lb Solid

### Surface Preparation

These stains may only be applied directly to bare wood. Do not apply these stains to previously sealed wood. All surfaces must be clean and free of dirt, grease or sanding dust. No Maclac paint product has ever contained any lead. But if you are preparing previously painted surfaces with unknown paints please observe the following precautions. Warning! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NOISH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### Mixing & Thinning

Mix well by stirring or shaking before application; no thinning is required or recommended.

### Application & Dry

These stains may be applied by spray or brush. Apply the stain to bare wood only and then wipe dry with a clean rag within 5 minutes. Wipe the stain very thoroughly into the wood. The color should be uniform and the surface should appear completely dry. Do not allow any wet stain to remain on the surface of the wood. Any excess wet stain on the surface of the wood will slow the dry of the lacquer, and will affect the adhesion. Allow drying for 10 minutes under normal conditions (75° F and 50% relative humidity). Allow longer dry times for cooler temperatures and damp conditions.

### Performance & Durability

These stains are intended for indoor use. They are not intended for outdoor service. They cannot be used as a glazing product. These stains are designed to be topcoated with Maclac Low VOC Lacquers.

### Environmental & Safe Handling

Since air quality regulations are not consistent around the country, nor are they consistent within the State of California, check local air quality regulations prior to using this product. Since hazardous waste regulations are not consistent throughout the country contact your local hazardous waste agency with information from the MSDS to get instructions for proper disposal. Review the latest material safety data sheet for additional information on environmental & safe handling.

#### LIMITED WARRANTY

The information contained herein is offered to assist customers in determining whether our products are suitable for their applications. We request that customers examine our products before use and satisfy themselves as to their suitability. We warrant that our products will meet our written specifications. Since application circumstances, substrate condition and product intermix are beyond our control, we cannot guarantee results under all possible situations. R.J. McGlennon Co. Inc. makes no representation as to the results the user will achieve. Technical advice furnished by seller or any seller's agents shall not constitute a warranty. Any liability arising out of any condition resulting from the use of any R.J. McGlennon Co. Inc. product shall be limited to replacement of such product.