

105.02



**SHERWIN
WILLIAMS.**

Uses:

- Trim Packs/Molding
- Doors/Windows
- Paneling
- Railing/Furniture
- Floors

Features:

- Seals and Penetrates
- Topcoat in 2 hours
- Highlights wood grain
- Resists blotching
- Use to create artificial grain

WOOD CLASSICS®

INTERIOR OIL STAIN

A49-200 SERIES

CHARACTERISTICS	SPECIFICATIONS	SURFACE PREPARATION												
<p>The Wood Classics System is designed for use on architectural wood in commercial, institutional, and residential new construction and also for refinishing. The Wood Classics System is a fast production system—a coat of stain and two finish coats can be completed in 8 hours. The stain can be topcoated in 2 hours with most clear solvent-borne alkyd, polyurethane, and lacquer topcoats and 6 hours with waterborne topcoats. Wood Classics Stain offers a large color palette which can help match trim packs to kitchen cabinets or other prefinished wood items. Wood Classics Stain penetrates and seals bare wood and resists lap marks. Wood Classics Stain causes minimal grain raising of the wood, much better than water-based stains. Wood Classics Stain is thicker than typical stains, providing less splash, spatter, and dripping. This means less effort, less masking time, less mess, and faster application, saving time on every job.</p> <p>Color: over 40 colors available Coverage: 450 - 550 sq ft/gal @ 3.0-3.5 mils wet; no dry surface film Drying Time, @ 77°F, 50% RH: temperature and humidity dependent Tough: 1 hour Recoat with solvent based topcoats: 2 hours water based topcoats: 6 hours Flash Point: 105°F, PMCC Tinting with Bland-A-Color:</p> <table border="1"> <thead> <tr> <th>Base</th> <th>oz/gal</th> <th>Strength</th> </tr> </thead> <tbody> <tr> <td>128 oz/gal fill</td> <td>0-4</td> <td>Special</td> </tr> <tr> <td>124 oz/gal fill</td> <td>0-8</td> <td>Special</td> </tr> <tr> <td>122 oz/gal fill</td> <td>0-10</td> <td>Special</td> </tr> </tbody> </table> <p>Vehicle Type: Alkyd A49W207 VOC (less exempt solvents): 521 g/L; 4.37 lbs/gal Volume Solids: 34 ± 2% Weight Solids: 48 ± 2% Weight per Gallon: 8.4 lb OTC Compliant in quarts</p>	Base	oz/gal	Strength	128 oz/gal fill	0-4	Special	124 oz/gal fill	0-8	Special	122 oz/gal fill	0-10	Special	<p>Suggested systems: Smoothness & Speed 1st: Wood Classics Interior Stain¹ 2nd: Wood Classics FastDry Sanding Sealer¹ 3rd: Wood Classics FastDry Oil Varnish¹ Durability & Speed 1st: Wood Classics Interior Stain¹ 2nd: Wood Classics FastDry Oil Varnish¹ 3rd: Wood Classics FastDry Oil Varnish¹ Clarity & Speed 1st: Wood Classics Interior Stain¹ 2nd: Wood Classics Waterborne Polyurethane Varnish¹ 3rd: Wood Classics Waterborne Polyurethane Varnish¹ Tough, Abrasion Resistant 1st: Wood Classics Interior Stain¹ 2nd: Wood Classics Polyurethane Varnish¹ 3rd: Wood Classics Polyurethane Varnish¹ ¹ OTC Compliant in quarts</p> <p>Topcoating Wood Classics Interior Stain should be topcoated for maximum performance with one or two topcoats. On surfaces such as crown molding, which generally are not subject to wear, 2 coats of Wood Classics Interior Stain provides a satin finish which offers protection without any additional topcoat.</p> <p>White or light colors When using Wood Classics FastDry Varnish or Wood Classics Polyurethane Varnish over a white or light shade, the final color may have a slight amber cast. Wood Classics Waterborne Polyurethane will not noticeably yellow.</p> <p>Shading finishes Wood Classics Interior Stain can be used to shade topcoats. Use up to 2 oz. of stain per gallon of Sherwin-Williams Sanding Sealer, Oil and Polyurethane Varnishes.</p> <p>Color variations Stain colors can vary based on the type of wood, the method of application, and the amount of stain applied. Test a sample piece or an inconspicuous area before staining the entire area.</p>	<p>WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority. Wood must be dry and cleaned of dirt, grease, wax, polish, marks, and old finishes. Sand wood to a smooth surface using 100-120 grit paper. Remove sanding dust with a vacuum or tack cloth. New wood should be stored inside for a minimum of 24 hours prior to staining. Stain or varnish applied to wood that has not been dried thoroughly can exhibit blotching, discoloration, or cracking. Protect surrounding items with drop cloths, masking tape, etc.</p> <p style="text-align: center;">APPLICATION</p> <p>Be sure the temperature is above 50°F, and the humidity is below 85%. Stir stain thoroughly and occasionally during use.</p> <p>No reduction necessary. Reducing will increase dry and recoat times significantly and cause the product to exceed the maximum VOC level for stains.</p> <p>Brush—Use a natural bristle brush. Pad Applicator/Cloth/Sponge Spray—Airless Pressure 2000 psi Tip009" - .013" The length of time before wiping determines the depth of the color developed. For a lighter shade, wipe quickly; for a darker shade, allow the stain to sit longer. You will have 15 to 20 minutes to work the stain to an even color. Laps or drips can usually be evened out by rewiping the surface with stain and rewiping.</p>
Base	oz/gal	Strength												
128 oz/gal fill	0-4	Special												
124 oz/gal fill	0-8	Special												
122 oz/gal fill	0-10	Special												

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INTERIOR OIL STAIN

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APPLICATION

Some soft woods (such as pine, poplar, and spruce) may have a "blotchy" appearance when stained (an uneven color, darker in some areas, lighter in others); sanded wood generally will appear less "blotchy". A coat of Wood Classics Natural will greatly reduce or eliminate this "blotchy" appearance. The stain color should be applied within 5 minutes of the Natural, while it is still wet. The use of any sealer will lighten the final color.

CLEANUP INFORMATION

Clean spills and splatters immediately with mineral spirits. Clean tools immediately after use with mineral spirits. Follow manufacturer's safety recommendations when using mineral spirits.

CAUTIONS

For exterior use, do not use colorants formulated for interior use only and topcoat with an appropriate finish.
Dispose of cloths with stain or mineral spirits in a water filled metal container to reduce the hazard of spontaneous combustion.

Label Caution

CAUTION contains ALIPHATIC HYDROCARBONS. Contents are **COMBUSTIBLE**. Keep away from heat and open flame. **VAPOR HARMFUL**. Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air, or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. **FIRST AID:** In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call physician. If swallowed, call Poison Control Center, hospital, emergency room, or physician immediately. **DELAYED EFFECTS FROM LONG TERM OVER-EXPOSURE:** Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. **WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. **DO NOT TAKE INTERNALLY. KEEP OUT OF THE REACH OF CHILDREN.**
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GRAINING PROCEDURES

Graining is a technique for giving steel and fiberglass doors or other surfaces the rich glow of wood. The graining tool is simple to use but it requires practice using a sample board to develop your technique.

Keep the graining tool clean and clear of buildup by occasionally wiping it with a cloth.

Step 1 - Preparation

New or Existing Surfaces:

Step: Clean the surface of any contamination. If needed, sand the surface to provide a smooth finish. Remove any surface rust by abrading with sandpaper, steel wool, or a wire brush. Prime bare steel with a rust inhibiting primer, such as All Surface Enamel Primer.

Wood/Hardboard: Clean the surface of any contamination. If needed, sand the surface to provide a smooth finish. Prime any bare wood with Preprime Wall and Wood or Preprime Classic Primer.

Fiberglass: Clean the surface of any contamination. If needed, sand the surface to provide a smooth finish. A primer is usually not needed.

Step 2 - Graining

For the most natural wood appearance, a coat of SuperPaint Interior Latex Satin tinted to a light tan such as SW1351, should be applied. Allow the base coat to dry thoroughly. You can grain with the item in place but it is generally easier if it is on a horizontal surface. Mask all surfaces not to be grained and remove all hardware such as door knobs, hinges, and locks.

Apply a thin, uniform coat of stain using a lint-free cloth or a natural bristle brush on a section of the item. Allow the stain to set up for approximately 10 minutes. Work on one small section at a time. Use the graining tool by exerting pressure with your index finger, moving the tool at a constant speed, and rocking the tool slowly back and forth to create a grain or heartwood pattern. Move on to the next section when you are satisfied with the results. Grain in tight corners where the tool cannot reach using a dry brush, steel wool, or cheesecloth. By changing the starting position of the tool on the segment (on the left side, on the right, or in the center); or by starting at the top and moving down then starting at the bottom and moving up; you can develop several differ-

GRAINING PROCEDURES

ent effects on the same object. The look of the grain pattern may be softened by gently brushing over the grain pattern with a dry brush or soft cloth after the stain has begun to set up, about 15 minutes. After graining the entire door, allow to dry for 16-24 hours.

Step 3 - Coloring

After allowing 16-24 hours dry time of the grain pattern, wipe or brush on a thin, even coat of stain in the direction of the grain pattern using a clean, lint-free cloth or a natural bristle brush. This will provide the coloring needed to make the door look like wood. Do not sand between coats of the stain. Use a dry brush to gently feather out any streaks or lap marks. Allow to dry 2 hours before topcoating. Darkness can be controlled by the amount of stain you apply. A thin second coat of stain reveals more grain and a heavier coat will mask some of the grain. **Note: Dry times are affected by thickness of application, temperature, and humidity.**

If the combination of base coat and graining provides the look you like, this coloring step can be eliminated.

Step 4 - Topcoating

To protect the item and to increase the depth of the pattern, apply a coat of Wood Classics FastDry Oil Varnish, Wood Classics Polyurethane Varnish, or Wood Classics Waterborne Polyurethane Varnish. Items exposed to direct sunlight should be finished with an exterior varnish.

The information and recommendations on this Product Data Sheet are based on tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations listed are subject to change and pertain to the product offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent information.

MATERIAL SAFETY DATA SHEET

A49V200
03 00

RECEIVED
FEB 10 2006

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

A49V200

HMS CODES
Health 2*
Flammability 2
Reactivity 0

PRODUCT NAME

WOOD CLASSICS* Interior Wood Oil Stain, Natural

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY

EMERGENCY TELEPHONE NO.

(216) 566-2917

101 Prospect Avenue N.W.

Cleveland, OH 44115

DATE OF PREPARATION

26-JAN-06

INFORMATION TELEPHONE NO.

(216) 566-2902

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by wt	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
51	64742-88-7	Mineral Spirits	140-Flash	
		ACGIH TLV	100 ppm	0.5 mm
		OSHA PEL	100 ppm	
0.5	100-41-4	Ethylbenzene		
		ACGIH TLV	100 ppm	7.1 mm
		ACGIH TLV	125 ppm STEL	
		OSHA PEL	100 ppm	
		OSHA PEL	125 ppm STEL	
2	1330-20-7	Xylenc		
		ACGIH TLV	100 ppm	5.9 mm
		ACGIH TLV	150 ppm STEL	
		OSHA PEL	100 ppm	
		OSHA PEL	150 ppm STEL	
1	64742-95-6	Light Aromatic Hydrocarbons		
		ACGIH TLV	Not Available	3.8 mm
		OSHA PEL	Not Available	
2	108-67-8	1,3,5-Trimethylbenzene		
		ACGIH TLV	25 ppm	2 mm
		OSHA PEL	25 ppm	
3	95-63-6	1,2,4-Trimethylbenzene		
		ACGIH TLV	25 ppm	2.03 mm
		OSHA PEL	25 ppm	
0.1	136-52-7	Cobalt 2-Ethylhexanoate		
		ACGIH TLV	Not Available	
		OSHA PEL	Not Available	

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

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EFFECTS OF OVEREXPOSURE**EYES:** Irritation.**SKIN:** Prolonged or repeated exposure may cause irritation.**INHALATION:** Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

Section 4 -- FIRST AID MEASURES**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.**SKIN:** Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.**INGESTION:** Do not induce vomiting. Get medical attention immediately.**Section 5 -- FIRE FIGHTING MEASURES****FLASH POINT**

105 F PMCC

LEL

0.7

UEL

7.0

FLAMMABILITY CLASSIFICATION

Combustible, Flash above 99 and below 200 F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 6 -- ACCIDENTAL RELEASE MEASURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Ventilate the area.

Remove with inert absorbent.

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Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY

DOL Storage Class II

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are COMBUSTIBLE. Keep away from heat and open flame. Consult NFPA Code. Use approved Bonding and Grounding procedures. Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

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 Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	7.32 lb/gal	877 g/l
SPECIFIC GRAVITY	0.88	
BOILING POINT	281 - 416 F	138 - 213 C
MELTING POINT	Not Available	
VOLATILE VOLUME	66 %	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)		
4.38 lb/gal	525 g/l	Less Water and Federally Exempt Solvents
4.38 lb/gal	525 g/l	Emitted VOC

 Section 10 -- STABILITY AND REACTIVITY

STABILITY -- Stable
 CONDITIONS TO AVOID
 None known.
 INCOMPATIBILITY
 None known.
 HAZARDOUS DECOMPOSITION PRODUCTS
 By fire: Carbon Dioxide, Carbon Monoxide
 HAZARDOUS POLYMERIZATION
 Will not occur

 Section 11 -- TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

Cobalt and cobalt compounds are classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is inadequate evidence in humans for its carcinogenicity. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary and reproductive systems.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

 TOXICOLOGY DATA

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CAS No.	Ingredient Name				
64742-88-7	Mineral Spirits 140 Flash	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
100-41-4	Ethylbenzene	LC50	RAT	4HR	Not Available
		LD50	RAT		3500 mg/kg
1330-20-7	Xylene	LC50	RAT	4HR	5000 ppm
		LD50	RAT		4300 mg/kg
64742-95-6	Light Aromatic Hydrocarbons	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
108-67-8	1,3,5-Trimethylbenzene	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
95-63-6	1,2,4-Trimethylbenzene	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
136-52-7	Cobalt 2-Ethylhexanoate	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available

Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

Section 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

Section 14 -- TRANSPORT INFORMATION

No data available.

Section 15 -- REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

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CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
100-41-4	Ethylbenzene	0.4	
1330-20-7	Xylene	2	
95-63-6	1,2,4-Trimethylbenzene	3	
	Cobalt Compound	0.1	0.02

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 -- OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.