



**SHERWIN
WILLIAMS.**

Uses:

- Trim /Moldings/Chair Rails
- Windows/Doors
- Mantels
- Residential Floors
- Cabinets

Features:

- Recoat in 1 hour
- Maintains excellent clarity
- Seals and protects
- Sands to powder in 1 hour
- Good durability

106.07

WOOD CLASSICS® WATERBORNE POLYURETHANE VARNISH A68 SERIES

CHARACTERISTICS

The Wood Classics System is designed for use on architectural wood in commercial, institutional, and residential new construction and also for refinishing.

Wood Classics Waterborne Polyurethane Varnish provides a rich, even finish with excellent clarity and good durability.

Wood Classics Waterborne Polyurethane Varnish is recommended over white or pastel stain colors because of the clarity of the finish.

Wood Classics Waterborne Polyurethane Varnish can be used as a protective finish over latex-based faux finishes.

Color: Crystal clear when dry
Milky white when wet

Coverage: 400 - 500 sq ft/gal
@ 3.2 - 4 mils wet; 0.8 to 1.0 mils dry

Drying Time, @ 77°F, 50% RH:

Touch: 30 minutes

To Sand: 1 hour

Recoat: 1 hour

Dry to use/service: 6 hours

To apply over latex faux: 18 hours

Drying times are based on good ventilation, 77°F temperature and 50% relative humidity. Lower temperature, higher humidity, lack of air movement or thick coats will extend drying times.

Finish:

Gloss: 90-95 units @ 60°

Satin: 25-30 units @ 60°

Flash Point: N/A

Tinting with Blend-A-Color Toner:

Up to 4 oz. of Blend-A-Color Toner can be added to Wood Classics to shade the topcoats.

Vehicle Type: Polyurethane Acrylic

A68V91 A68F90

Gloss Satin

VOC: g/L 311 309

lb/gal 2.60 2.58

Volume Solids ± 2%: 26 26

Weight Solids ± 2%: 29 29

Weight per Gallon, lb: 8.6 8.6

OTC Compliant

SPECIFICATION

Suggested systems:

1st: Wood Classics Stain (optional)¹

2nd: Wood Classics Waterborne Polyurethane Varnish

3rd: Wood Classics Waterborne Polyurethane Varnish

¹ OTC Compliant in quarts

Note: When used on residential floors, a minimum of 3 coats of Wood Classics Waterborne Polyurethane Varnish are recommended

APPLICATION

STIR WELL before and occasionally during use. DO NOT SHAKE.

Do not use over sealers containing zinc stearate.

Be sure the temperature is above 50°F, and the humidity is below 85%.

Thinning not normally recommended. If desired, thin with water.

Initial foam will usually disappear in the final film.

Product is milky white in the can, but quickly dries to a crystal clear finish.

Brush—Use a synthetic bristle brush.

Brush out evenly, avoid unnecessary brushing into already coated areas. Avoid over-brushing which causes bubbling.

Roller—Use a 1/4" nap synthetic or lamb's wool roller cover. Avoid rapid rolling which causes bubbling. Roller apply on horizontal surfaces only.

Spray—Airless

Pressure.....2000 psi

Tip......011" - .013"

HVLP

Unit..... Graco 3800 or 4900

Gun..... 960

Tip..... 1.4 -1.6 mm

SURFACE PREPARATION

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, and marks. Old finishes in poor condition should be completely removed and the surface treated as a new surface.

New wood should be stored inside for a minimum of 24 hours prior to coating. Varnish applied to wood that has not dried thoroughly can exhibit blotching, discoloration, or cracking.

Sand wood to a smooth surface using 100-120 grit paper. Remove sanding dust with a vacuum or tack cloth.

Do not use steel wool for abrading when using Wood Classics Waterborne Polyurethane Varnish. Since steel wool and water can cause rust, steel wool should be avoided around all water-based wood finishing products.

Avoid sanding wood that has only stain on it, sanding will remove some of the stain creating an uneven appearance.

Protect surrounding items with drop cloths, masking tape, etc.

106.07

WOOD CLASSICS®**WATERBORNE****POLYURETHANE VARNISH****A68 SERIES****SHERWIN
WILLIAMS****SURFACE PREPARATION**

After staining with Wood Classics Interior Oil Stain, wait 6 hours before applying Wood Classics Waterborne Varnish. When using other stains, wait 24 hours.

Sanding may raise the grain of the wood, developing a slight texture. After the first coat of varnish is applied, if sanding is needed to eliminate this texture, allow 1 hour drying before sanding. Very lightly scuff sand between coats using 180 or finer grit sandpaper.

For coating surfaces where the previous coat has dried greater than 8 hours, scuff sanding must be done prior to application of a fresh coat of Wood Classics Waterborne Polyurethane Varnish.

Although not as effective as sandpaper, synthetic abrasive pads may be used for very light sanding.

Remove sanding dust with a vacuum or water-dampened cloth.

After the last coat of varnish is applied, allow 6 hours drying before using the varnished item.

CLEANUP INFORMATION

Clean spills, spatters, hands and tools immediately after use with soap and warm water.

Adding a small amount of ammonia to the clean up water will make the cleaning easier.

After cleaning, flush spray equipment with Mineral Spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using Mineral Spirits.

CAUTIONS

For interior use only.

Not for use on commercial floors.

Not for use on surfaces continuously wet or under water.

Do not use over sealers containing zinc stearate.

Do not use as a clear protection over solvent-based glazes or other finishes.

CAUTIONS

CAUTION contains VOLATILE ORGANIC COMPOUNDS. 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 OVEREXPOSURE:** 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.**

110TW 10/19/2004 AG8V00091 05 00

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

A68F90
06 00

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

A68F90

HMIS CODES

Health	2
Flammability	0
Reactivity	0

PRODUCT NAME

WOOD CLASSICS* Interior Waterborne Polyurethane Varnish, Satin

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
1	95-63-6	1,2,4-Trimethylbenzene		
		ACGIH TLV	25 ppm	2.03 mm
		OSHA PEL	25 ppm	
3	107-98-2	1-Methoxy-2-propanol		
		ACGIH TLV	100 ppm	10.9 mm
		ACGIH TLV	150 ppm STEL	
		OSHA PEL	100 ppm	
		OSHA PEL	150 ppm STEL	
2	34590-94-8	2-Methoxymethylethoxypropanol		
		ACGIH TLV	100 ppm (Skin)	0.4 mm
		ACGIH TLV	150 ppm (Skin) STEL	
		OSHA PEL	100 ppm (Skin)	
		OSHA PEL	150 ppm (Skin) STEL	
2	872-50-4	1-Methyl-2-Pyrrolidone		
		ACGIH TLV	Not Available	1 mm
		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.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache, nausea or dizziness.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

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

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

Continued on page 2

A68F90

page 2

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

Not Applicable

LEL

UEL

N.A.

N.A.

FLAMMABILITY CLASSIFICATION

Not Applicable

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Alcohol Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

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.

Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY

Not Applicable

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

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.

Continued on page 3

A68F90

page 3

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.

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	8.58 lb/gal	1028 g/l
SPECIFIC GRAVITY	1.03	
BOILING POINT	212 - 396 F	100 - 202 C
MELTING POINT	Not Available	
VOLATILE VOLUME	73 %	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
pH	8.5	
VOLATILE ORGANIC COMPOUNDS	(VOC Theoretical)	
2.57 lb/gal	308 g/l	Less Water and Federally Exempt Solvents
1.02 lb/gal	122 g/l	Emitted VOC

Continued on page 4

A68F90

page 4

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

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary and reproductive systems.

TOXICOLOGY DATA

CAS No.	Ingredient Name				
95-63-6	1,2,4-Trimethylbenzene	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
107-98-2	1-Methoxy-2-propanol	LC50	RAT	4HR	Not Available
		LD50	RAT		6600. mg/kg
34590-94-8	2-Methoxymethylethoxypropanol	LC50	RAT	4HR	Not Available
		LD50	RAT		5135 mg/kg
872-50-4	1-Methyl-2-Pyrrolidone	LC50	RAT	4HR	Not Available
		LD50	RAT		4200 mg/kg

Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

Section 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

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.

Continued on page 5

A68F90

page 5

Section 15 -- REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
95-63-6	1,2,4-Trimethylbenzene	1	
872-50-4	1-Methyl-2-Pyrrolidone	2	

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.