

Offer Sheet

Product	Sher-Wood Kem Aqua Plus Wood Coating
Quantity	500 gallons
Net weight	
Manufacture date	Expired August 2025
Availability	One time
Location	Earth City, MO 63045
Date	10/9/25
COA & SDS	Attached below



Sher-Wood™ Kem Aqua® Plus is a waterborne, self-sealing acrylic lacquer system designed primarily for wood finishing applications. It is widely used in industrial and commercial environments where performance, durability, and appearance are critical.

1. Furniture and Cabinet Manufacturing

- Commonly used by manufacturers of wood furniture, kitchen cabinets, and millwork.
- Provides a **durable, clear protective finish** that resists yellowing and enhances natural wood grain.
- Allows **fast drying and stacking** for high-throughput production lines.
- Compatible with automated spray systems and production finishing equipment.

2. Architectural and Interior Woodwork

- Applied to **doors, trim, railings, paneling, and built-ins** in commercial buildings.
- Used by millwork shops and contractors seeking a **low-VOC, water-reducible alternative** to solvent-based lacquers.
- Offers **excellent clarity and resistance** to household chemicals, moisture, and abrasion.

3. Retail and Institutional Fixtures

- Used to coat **display cases, shelving, store fixtures, and office furniture** where clarity and durability are needed.
- The low odor and quick recoat time make it suitable for **on-site touch-ups or refinishing** in occupied facilities.

4. OEM and Contract Finishing

- Selected by **original equipment manufacturers** producing finished wood components.
- Compatible with automated **finishing** lines requiring **high productivity and consistent film performance**.
- Often chosen in **contract finishing operations** where multiple wood substrates and finish appearances must be maintained efficiently.

5. Benefits in Commercial Use

- **Water-based formulation:** Reduces VOC emissions and simplifies cleanup.
- **Fast dry time:** Enhances production efficiency.
- **Non-yellowing finish:** Maintains natural or stained wood color.
- **Good block, mar, and print resistance:** Ideal for parts that stack or ship quickly after coating.
- **Versatility:** Can serve as both sealer and topcoat.

If interested, please call or text:

Brian Svrusis
Solvent Systems International
70 King St.
Elk Grove Village, IL 60007
847-323-6718 call or text
Click here for: [Surplus Inventory](#)
[Solvent-Systems.com](#)



Sherwin-Williams Certificate of Analysis

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Columbus (COL)
2121 NEW WORLD DRIVE
COLUMBUS, OH 43207

Phone: (614) 491-8220
Fax: (614) 497-7026
Print Date: 23-Aug-2024

Product Number: M64W00523
Description: SHER-WOOD® KEM AQUA® Plus White
Color: Low Gloss White
Batch No.: LM2344JC
Julian Batch Date: LM2344
Date of Manufacture: 21-Aug-2024
Expiration Date: 21-Aug-2025
Shelf Life: 12 Months

Test	Method	Unit	Minimum	Maximum	Value
NVM	T203.00	%NVM	41.7	43.7	46.10
CONTRAST RATIO	P302.00	CRATIO	0	1.0	0.962
MASSTONE	P100.00	FMC-E	0	3.0	0.66
60 DEGREE GLOSS MEASUREMENT	P311.00	GU	20.0	25.0	20.1
GRIND FINENESS	T410.00	HEGMAN	7	8	7
DENSITY	T210.00	LBS/GAL	9.51	10.01	10.05
GEN APPEARANCE	P611.00	NONE	PASS	PASS	PASS
VISCOSITY BY GARDNER S90/SIGNATURE ZAHN #3	T306.S3	SECONDS	18	22	22
TINT STRENGTH	T213.00	TS%	-5.0	5.0	-1.12
LOW SHEAR VISC - P @ 5 1/SEC	T328.02		2.8365	5.3572	3.2061
MID SHEAR VISC - P @ 50 1/SEC	T328.03		1.9021	3.4785	2.3255
MID SHEAR VISC - P @ 500 1/SEC	T328.04		1.0190	1.7692	1.3466
HIGH SHEAR VISC - P @ 10,000 1/SEC	T328.05		.4351	.6760	.5254

Indicated shelf life (if any) is from the date of manufacturing, provided proper storage is maintained and proper agitation and application are performed. Unless otherwise agreed in writing by the manufacturer, indication (if any) of shelf life is an estimate only and not a guaranty. Records, Material Safety Data Sheets and retained samples maintained in accordance with the policies and procedures of the manufacturer. This document is not a warranty or an agreement for the sale of goods and no representations or warranties, express or implied, are made hereunder. This document is issued by or on behalf of the manufacturer by an authorized person.

Approved By: Christine Aichele
Christine M. Aichele
Plant Quality Manager

Date: 21-Aug-2024

SAFETY DATA SHEET

M64W523

Section 1. Identification

Product name : SHER-WOOD® KEM AQUA® Plus White
Low Gloss White

Product code : M64W523

Other means of identification : Not available.

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Paint or paint related material.

Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Product Information Telephone Number : US / Canada: 866-722-9710
Mexico: Not Available

Transportation Emergency Telephone Number : US / Canada: (800) 424-9300
Mexico: SETIQ 800-00-214-00 / 55-5559-1588 Available 24 hours and 365 days a year

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 2
Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 4.5% (oral), 4.5% (dermal), 4.5% (inhalation)

GHS label elements

Hazard pictograms



Signal word : Warning

Hazard statements : May cause an allergic skin reaction.
Suspected of causing cancer.

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection, face protection, or hearing protection. Avoid breathing vapor. Contaminated work clothing should not be allowed out of the workplace.

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Low Gloss White

Version : 26

SHW-85-NA-GHS-US

1/13

Section 2. Hazards identification

- Response** : IF exposed or concerned: Get medical advice or attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Supplemental label elements** WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY.
Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Other means of identification** : Not available.
- CAS number/other identifiers**

Ingredient name	% by weight	Identifiers
Titanium Dioxide	≥10 - ≤25	13463-67-7
2-Methoxymethylethoxypropanol	≤5	34590-94-8
Polypropylene glycol alkyl phenyl ether	≤1	9064-13-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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Section 4. First aid measures

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:
 - irritation
 - redness
- Ingestion** : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
 - carbon dioxide
 - carbon monoxide
 - metal oxide/oxides

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits (OSHA United States)

Ingredient name	CAS #	Exposure limits
Titanium Dioxide	13463-67-7	ACGIH TLV (United States, 1/2024) A3. TWA 8 hours: 2.5 mg/m ³ . Form: respirable fraction, finescale particles. NIOSH REL (United States, 10/2020) NIA. OSHA PEL (United States, 5/2018) TWA 8 hours: 15 mg/m ³ . Form: Total dust.
2-Methoxymethylethoxypropanol	34590-94-8	ACGIH TLV (United States, 1/2024) [(2-Methoxymethylethoxy)propanol] Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 606 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 909 mg/m ³ . ACGIH TLV (United States, 1/2024) [dipropylene glycol methyl ether] TWA 8 hours: 50 ppm. NIOSH REL (United States, 10/2020) Absorbed through skin. TWA 10 hours: 100 ppm. TWA 10 hours: 600 mg/m ³ . STEL 15 minutes: 150 ppm. STEL 15 minutes: 900 mg/m ³ . OSHA PEL (United States, 5/2018) Absorbed through skin. TWA 8 hours: 100 ppm. TWA 8 hours: 600 mg/m ³ .
Polypropylene glycol alkyl phenyl ether	9064-13-5	None.

Occupational exposure limits (Canada)

Ingredient name	CAS #	Exposure limits
Dipropylene glycol monomethyl ether	34590-94-8	CA Saskatchewan Provincial (Canada, 4/2021) Absorbed through skin. STEL 15 minutes: 150 ppm. TWA 8 hours: 100 ppm. CA British Columbia Provincial (Canada, 9/2024) [dipropylene glycol methyl ether] TWA 8 hours: 100 ppm. STEL 15 minutes: 150 ppm. CA Ontario Provincial (Canada, 6/2019) Absorbed through skin. STEL 15 minutes: 150 ppm. TWA 8 hours: 100 ppm. CA Quebec Provincial (Canada, 2/2024) [Dipropylene glyco monomethyl ether] Absorbed through skin. TWA _{EV} 8 hours: 100 ppm. TWA _{EV} 8 hours: 606 mg/m ³ . STEV 15 minutes: 150 ppm. STEV 15 minutes: 909 mg/m ³ . CA Alberta Provincial (Canada, 3/2023) Absorbed through skin. OEL 8 hours: 100 ppm.

Section 8. Exposure controls/personal protection

OEL 15 minutes: 909 mg/m³.
OEL 8 hours: 606 mg/m³.
OEL 15 minutes: 150 ppm.

Occupational exposure limits (Mexico)

None.

Biological exposure indices (United States)

No exposure indices known.

Biological exposure indices (Canada)

No exposure indices known.

Biological exposure indices (Mexico)

No exposure indices known.

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Liquid.
Color	: White.
Odor	: Not available.
Odor threshold	: Not available.
pH	: 8.5
Melting point/freezing point	: Not available.
Boiling point or initial boiling point and boiling range	: 100°C (212°F)
Flash point	: Closed cup: Not applicable.
Evaporation rate	: 0.8 (butyl acetate = 1)
Flammability	: Not available.
Lower and upper explosion limit/flammability limit	: Lower: 0.6% Upper: 20.4%
Vapor pressure	: 2.3 kPa (17.5 mm Hg)
Relative vapor density	: 1 [Air = 1]
Relative density	: 1.17
Density	: 1.16 g/cm ³
Solubility(ies)	:

Media	Result
cold water	Partially soluble

Partition coefficient: n-octanol/water	: Not applicable.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C (104°F)): >20.5 mm ² /s (>20.5 cSt)
Molecular weight	: Not applicable.
<u>Particle characteristics</u>	
Median particle size	: Not applicable.
Heat of combustion	: 4.423 kJ/g

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.

Section 10. Stability and reactivity

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name

Titanium Dioxide

Result

Human - Skin - Mild irritant

Duration of treatment/exposure: 72 hours

Amount/concentration applied: 300 ug l

2-Methoxymethylethoxypropanol

Rabbit - Skin - Mild irritant

Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name

2-Methoxymethylethoxypropanol

Result

Human - Eyes - Mild irritant

Amount/concentration applied: 8 mg

Rabbit - Eyes - Mild irritant

Duration of treatment/exposure: 24 hours

Amount/concentration applied: 500 mg

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Section 11. Toxicological information

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : May cause an allergic skin reaction.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : Adverse symptoms may include the following:
irritation
redness
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

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Section 11. Toxicological information

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : Not available.

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 12. Ecological information

Toxicity

Product/ingredient name

Titanium Dioxide

Result

Acute - LC50 - Marine water

Fish - Mummichog - *Fundulus heteroclitus*

>1000 mg/l [96 hours]

Effect: Mortality

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

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Section 12. Ecological information

No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IATA	IMDG
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-	-
Transport hazard class(es)	-	-	-	-	-
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-

Special precautions for user : Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

**Transport in bulk according
to IMO instruments** : Not available.

Proper shipping name : Not available.

Section 15. Regulatory information

U.S. Federal regulations :

[California Prop. 65](#)

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

[International regulations](#)

[Montreal Protocol](#)

Not listed.

[Stockholm Convention on Persistent Organic Pollutants](#)

Not listed.

International lists

: **Australia inventory (AIIIC):** Not determined.
China inventory (IECSC): Not determined.
Japan inventory (CSCL): Not determined.
Japan inventory (ISHL): Not determined.
Korea inventory (KECI): Not determined.
New Zealand Inventory of Chemicals (NZIoC): Not determined.
Philippines inventory (PICCS): Not determined.
Taiwan Chemical Substances Inventory (TCSI): Not determined.
Thailand inventory: Not determined.
Turkey inventory: Not determined.
Vietnam inventory: Not determined.

Section 16. Other information

[Hazardous Material Information System \(U.S.A.\)](#)

Health	*	2
Flammability		0
Physical hazards		0

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

[Procedure used to derive the classification](#)

Classification	Justification
SKIN SENSITIZATION - Category 1	Calculation method
CARCINOGENICITY - Category 2	Calculation method

[History](#)

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Section 16. Other information

Key to abbreviations

: ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973
as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Indicates information that has changed from previously issued version.

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.



**SHERWIN
WILLIAMS.**

Industrial Wood Coatings

CC-F65

SHER-WOOD®

Kem Aqua® PlusWhite

Gloss WhiteM64W521
Mid Gloss White.....M64W522
Low Gloss White.....M64W523
Custom Blend.....M64PX Series

DESCRIPTION

SHER-WOOD® KEM AQUA® PLUS WHITE is a high quality water reducible pigmented white for finishing furniture, cabinets, and a wide variety of wood and novelty items. This high quality topcoat provides excellent appearance and performance over Sher-Wood® Kem Aqua® Plus Surfacers.

Advantages:

- Meets Kitchen Cabinet Manufacturers Association (KCMA) over Sher-Wood® Kem Aqua® Plus Surfacers.
- VOC as packaged <2.08 lb/gal, 250 g/L*
- Very good resistance to yellowing.
- Excellent hardness, block resistance and print resistance.
- Excellent mar resistance.
- Good flow and leveling.
- Better resistance to microfoaming than other latex coatings.
- Good flexibility – passes 20 KCMA Cold Check cycles.

Air Quality Data:

- Non-photochemically reactive
- Volatile Organic Compounds (VOC)
Theoretical as packaged, less water and exempt solvents <2.08 lb/gal, 250 g/L
- Volatile Hazardous Air Pollutants (VHAPS) as packaged, no reportable VHAPS

An Environmental Data Sheet is available from your local Sherwin-Williams facility or at www.paintdocs.com

*VOC compliance limits vary from state to state; please consult local Air Quality rules and regulations.

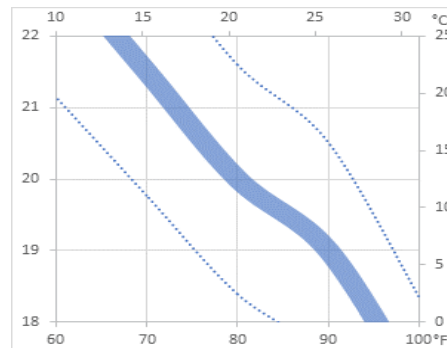
CHARACTERISTICS

Gloss: Gloss 70+ units
Mid Gloss 45-50 units
Low Gloss 20-25 units

Volume Solids: 31.0 ± 1%

Weight Solids: 42.0 ± 1%

Viscosity:
18-22 seconds #3 Zahn Cup



The above chart is for information only and should not be used as product specifications

Recommended film thickness:

Mils Wet 3.0 - 4.0 Mils

Dry 1.0 - 1.25 Mils

Spreading Rate (no application loss) 385-515 sq ft/gal @ 1.0-1.25 mils DFT

Drying (77°F, 50% RH):

To Touch: 15 minutes
To Handle: 20 minutes
To Sand: 22-25 minutes
To Recoat: 25 minutes
To Pack: 8-12 hours
Force Dry: 10-20 minutes at 120°F

This product dries primarily by water evaporation. Best drying occurs at 50% RH or lower and temperatures of 77°F or higher. Good air movement is essential for complete drying.

When humid shop conditions exist, lower relative humidity is achieved only by raising the temperature 10-30°F and ventilating out the excess moisture.

Flash Point: None

Package Life: 1 year, unopened, inside storage

Freeze/Thaw: 0 cycles

SPECIFICATIONS

Surface preparation:

Wood - New Work (interior only): Must be clean, dry, and finish sanded. Substrate should be free of grease, oil, dirt, fingerprints, and any contamination to ensure optimum adhesion and coating performance properties. Moisture content of wood should be 6 to 8%.

Previously finished wood (interior only): Strip old finishes completely and remove all contaminants from the surface. Make sure surface is dry. Finish as new work.

Wood Finishing System:

1. Seal—apply Sher-Wood Kem Aqua Plus Surfacers (E64W520) at 4.0-5.0 mils wet. Air dry with good air movement. Sand with 240 grit paper and remove all sanding dust.
2. Topcoat - apply topcoat Sher-Wood Kem Aqua Plus White at 3.0-4.0 mils wet. Dry with good air movement. Apply an additional topcoat for greater build and fill depth. Allow 30 minutes drying between coats.
3. Sher-Wood® Kem Aqua® Plus Clear (T75C555 series) can also be used as a final coat for additional performance properties.
4. Maximum dry film thickness of the system must not exceed 4 mils dry.

NOTE: Do not use Kem Aqua® Clear Lacquer over Kem Aqua® Plus Surfacers or Kem Aqua® Plus White. These systems are not compatible and will discolor. Kem Aqua® Plus Clear can be used as a final coat over Kem Aqua® Plus White.

Testing: The information, data, and recommendations set forth in this Product Data Sheet are based upon test results believed to be reliable. However, due to the wide variety of substrates, substrate properties, surface preparation methods, equipment and tools, application methods, and environments, the customer should test the complete system for adhesion, compatibility and performance prior to full scale application.

APPLICATION

Typical Setups

Reduction: Apply full body. If reduction is needed to optimize application, use up to 2% water. To ensure optimal performance and stability it is recommended to use deionized water for reduction. Product can be retarded with (DPM) Dipropylene Glycol Monomethyl Ether, or 2-Butoxyethanol (R6K25). Add up to 2% by volume under mechanical agitation. These solvents will also improve air release.

Conventional Spray:

Air Pressure..... 45-55 psi
Fluid Pressure 8-10 psi
Tip......055-.070

Airless Spray:

Pressure1500-1800 psi
Tip......013-.015

Air Assisted Airless:

Air Pressure..... 15-20 psi
Fluid Pressure400-700 psi
Tip......011-.013
Reducer..... water
Reduction Rate.....as needed up to 2%

HVLP:

Air Pressure..... 8-10 psi
Fluid Pressure 5-10 psi
Cap/Tip......055-.070

Some applications and equipment setups, especially air assisted airless and airless, may be prone to microfoaming of the wet film, which will give lower gloss and clarity. Do not use higher pressures than needed for atomization.

Clean-Up:

Flush spray equipment completely with water followed by flushing with a 2:1 blend of water and 2-Butoxyethanol (R6K25) to remove water residue and to prevent rusting.

ADDITIONAL INFORMATION

- Not recommended for exterior use.
- Use stainless steel spray equipment.
- Tank, piping and containers should be lined steel or plastic.
- Mix thoroughly prior to use. Avoid vigorous agitation, which may cause bubbling or foaming.
- Must not be exposed to freezing temperatures. Store inside.
- The customer is urged to pretest the system under shop conditions.
- Excessive wet film thickness (>4.0 mils wet) may sag.
- Maximum dry film thickness of coating system is 4.0 mils.
- Very low humidity may cause mud-cracking and poor film properties.
- When finishing Redwood, Red or White Oak, Pine and Cedar Wood. With water-based finishes, tannins may be extracted from the wood by the water and cause staining and/or discoloration. This tannin bleed is most evident with white topcoats. Sher-Wood Kem Aqua Plus Surfacer E64W520 must be used to prevent tannin discoloration.
- Products must be air dried at least overnight with good air movement before stacking or packing.
- May be tinted with up to 4 ounces of Kem Aqua® Colorants, ColorCast Ecotoner® (CCE) or Blend-a-Color® (BAC) colorants per gallon.
- Do not blend in any ratio with Sher- Wood Kem Aqua Lacquer as they are incompatible.
- Sher-Wood Kem Aqua Plus Whites and Sher-Wood Kem Aqua Plus Clears may be blended together in any ratio to expand color capability.

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CAUTIONS

FOR INDUSTRIAL SHOP APPLICATION ONLY

Thoroughly review product label and Safety Data Sheet (SDS) for safety information and cautions prior to using this product.

To obtain the most current version of the Environmental Data Sheet (EDS), Product Data Sheet (PDS), or Safety Data Sheet (SDS) please visit your local Sherwin-Williams facility or www.paintdocs.com.

Please direct any questions or comments to your local Sherwin-Williams facility.

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Please review these terms and conditions prior to each purchase and/or use of the products.

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