



ADVANCED POLYMER, INC.

GET THE API ADVANTAGE . . .

API-WP30

API-WP30 is a low VOC, hydrophobic, non-silicone waterborne emulsion specifically designed to impart water repellency and beading on wood. API-WP30 may also be applied to other architectural surfaces. API-WP 30 produces a clear finish. While it may be used in conjunction with other emulsion polymers, it is most effective when used alone. API-WP30 will impart pronounced and long lasting water beading not yet seen with other repellents, water-borne or solvent-borne.

CHARACTERISTICS

- Protects Wood
- Excellent “vehicle” for trans oxide dispersions commonly used in wood stains
- Water Resistant Finish Prevents Water Staining/Wear
- Non-yellowing... Assures Color Stability
- Effective on Porous and Semi-Porous Building Materials
- May be Formulated Into Surface Coatings/Finishes
- Allows substrate to “Breathe”

RECOMMENDATIONS

The pH of prepared dilutions of API-WP30 should not drop below 8.0. If the pH of the dilution falls below 8.0, instability may occur. Add API-WP30 as the last component to the formulation; make sure that the pH of the system that API-WP30 is added to is greater than 8.0.

API-WP30 and formulations containing API-WP30 are sensitive to shear. High speed mixing, high pressure flow through a small nozzle or filter could cause a precipitate to form producing instability.

TYPICAL PROPERTIES

Appearance:	White Liquid
Solid Content:	30%
pH:	9.0
Specific Gravity (25°C):	1.00
Volatile Organic Content:	90g/L

Advanced Polymer, Inc.
400 Paterson Plank Road
Carlstadt, NJ 07072
Phone: (201) 933-0600
Fax: (201) 933-8442
www.advpolymer.com



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FORMULATION

Clear Sealer for Wood
Suggested Formulation

Ingredient	Weight (%)
Softened Water ¹	83.3
Biocide ²	As needed
API-WP30	16.7

1 Prepare softened water - 0.5% Versene 100 Chelating Agent (Dow Chemical) + 99.5% tap water. The pH of softened water should be approximately 8 - 10. If Deionized water is preferred adjust the pH to 8 - 10 using ammonium hydroxide.
2 Please consult with a biocide manufacturer for best recommendation and challenge study.

- It is important to add the API-WP30 as the last component of the formulation.
- Mix the above formulation using a low shear paddle mixer at low to medium speed.

APPLICATION

The above formulation may be applied via brush and roll methods. Two coatings are recommended for optimal performance as well as 24-48 hours for drying/curing.

PACKAGING

API-WP30 is available in 8 oz samples and 441 lb drums..

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Fax: (201) 933-8442
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I want to know more!

technical@advpolymer.com

You may also be
interested in . . .

- API-WP40
- AP-0280

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Revised March 8, 2010

API-WP30

Section I Product Identity

Product Name	API-WP30
Chemical Name/Family	Emulsion
CAS Registry	Mixture
24 Hour Emergency Number	800-424-9300
24 Hour Chemtrec Number	800-424-9300
All ingredients are listed in EPA's TSCA list of chemical substances	

Section II Hazardous Components/Composition Information

CHEMICAL :	CAS #:	USOS:	TWA:	STEL:	PERCENT:

Section III Physical and Chemical Properties

Boiling Point	212°F (min)
Specific Gravity (H ₂ O=1)	1.0
Vapor Pressure	NA
Vapor Density (Air=1)	NA
Volatile Organic Content	90 g/L
Evaporation Rate (BuAc=1)	NA
Solubility in Water	Disperses readily in water using a mixer
Appearance and Odor	Milky white liquid

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	>200°F (Closed Cup)
Flammable Limits in Air (% By Volume)	NA
Extinguishing Media	Water spray, foam, dry chemical, CO ₂ .
Special Fire Fighting Procedures:	Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment
Unusual Fire and Explosion Hazard	None.

Section V Reactivity Data

Stability	Stable
Conditions to Avoid	Store in a well-ventilated place at temperatures below 90 F. Keep container tightly closed. Protect from freezing
Incompatibilities	Avoid contact with strong oxidizing agents and acids. The pH of the system to which API-WP40 is added must be 8.0 or greater.
Hazardous Decomposition or By Products	Combustion may produce CO ₂ or CO
Hazardous Polymerization	May Not Occur

Section VI Health hazard Data

Primary Routes of Entry	Inhalation: No	Dermal: Yes	Ingestion: Yes
Acute Health hazard	No information available		
Chronic Health Hazard	No information available		
Carcinogenicity			
NTP: No	IARC Monograph: No	OSHA Regulated: No	

Signs and Symptoms of Exposure:

Skin Contact	Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis.
Eye Contact	Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.
Ingestion	Although ingestion is unlikely, liquid would irritate upper digestive tract if swallowed.
Inhalation	Exposure to high vapor concentrations may cause eye and respiratory tract irritation, headache, dizziness, nausea, loss of coordination, drowsiness and loss of consciousness.

Medical Condition Generally Aggravated by Exposure

None known

Emergency First Aid Procedures

Eyes	Immediately flush eyes with plenty of water. Seek medical attention.
Skin	Immediately wash skin with soap and water. Wash contaminated clothing before reuse.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician..
Inhalation	Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Please note: Symptoms may be delayed; prompt medical attention may be required. Call a physician.

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case the Material is Released or Spilled:

Soak up with sawdust, sand, oil dry or other absorbent material.

Waste Disposal Method:

Dispose of according to EPA, State and Local regulations.

Section VIII Special Precautions

Precautions to be Taken in Handling and Storage:

Store at temperatures between 40°F (10°C) to 90°F (32.2°C). Store in a tightly closed container. Store in a well ventilated area. Store away from oxidizing agents, sources of heat, direct sunlight or rain.

****** Protect from freezing. One freeze/thaw cycle could produce an unstable product ******

****** Agitate API-WP40 using low shear mixing prior to use.******

****** Do not add API-WP40 to systems with pH lower than 8.0 ******

Section IX Control Measures

Respiratory Protection	Not required	
Ventilation	Local exhaust	Not required
	Mechanical	
	Special	
	Other	
Eye Protection	Safety glasses should be worn	
Protective Gloves	Rubber or plastic gloves should be worn	
Protective Clothing	Rubber apron	
Other Protective Equipment	NIOSH approved respirator as needed	
Other Precautions	Wash hands after use.	

Section X SARA Title III

SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of SECTION 331 of the EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 and of 40 CFR 371

CAS #	Chemical Name	Percent by Weight

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL

Section XI Transportation Information

SHIPPING INFORMATION

API-WP30 is classified non-hazardous and is not regulated by DOT.

Hazard Ratings

Health	1
Flammability	1
Reactivity	0

Date Prepared April 2, 2009
 Prepared By API
 Date Revised March 8, 2010
 Revised By API

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