

Exterior Wood Stain & Finishes

Log End Seal™

Protect Exposed End-Grain from the Elements

Surface Preparation:
Must be applied to clean, dry surface.
Sand log ends before applying Lifeline stain.

Application Rates:
30 to 40 sq.ft. per gallon.
One gallon will coat approx. 180 six inch diameter log ends or 100 eight inch diameter log ends.

Application Temperature:
40° F to 90° F

Application Methods:
Paint pad or sponge.
Short bristled brush.

of Coats:
One coat application.

Drying Time:
Dry to the touch in 2 to 4 hours.

Clean up:
Soap and water.

Packaging:
1 gallon container.

Storage/Shelf Life:
DO NOT FREEZE!
1 year.

The end-grain of wood is particularly vulnerable to sun, rain, snow and ice, which can lead to excessive cracks and checks. End-grain can also act like tiny straws, drawing excessive moisture into the wood. *Log End Seal* provides a durable, water-repellent barrier against these problems before they begin.



Prelude™

A Clear Primer for Porous Wood Surfaces

One coat of *Prelude* Clear Wood Primer fills the pores of the wood and provides a surface that enables you to obtain a more uniform finish color over the entire home.

Prelude ClearWoodPrimer also contains *UV Boost* for added UV protection. *Prelude* is a primer and should never be used as a final finish.



Not Sealed with Prelude

Sealed with Prelude



Surface Preparation:
Must be applied to clean, dry surface.

Application Rates:
200 to 400 sq.ft. per gallon depending on the porosity of the wood.

Application Temperature:
40° F to 90° F

Application Methods:
Airless sprayer.
Brush. Backbrush to ensure even coverage.

of Coats:
One coat application.

Drying Time:
Dry to the touch in 2 to 4 hours. Cures in 72 hours.

Clean up:
Soap and water.

Packaging:
1 gallon container.
5 gallon pail.
Samples available.

Storage/Shelf Life:
Freeze/thaw stable.
1 year.

UV Boost™

Additional Protection for High Sun Exposure Areas

Note: *Lifeline Ultra-2*, *Lifeline Ultra-1 Professional* and *Prelude* already contain *UV Boost*.

The addition of *UV Boost* to the first coat of any of our other finishes imparts additional protection against fading and graying. It is especially useful in interior finishes to reduce the “picture frame” effect on walls and carpeted floors. Since *UV Boost* must be in contact with bare wood for it to be effective, it only needs to be added to the first coat of finish.

Container Sizes

For adding to one gallon and five gallons of finish.



Washington 1-800-548-1231; Tennessee 1-800-548-3554; Montana 1-800-479-7090;
Minnesota 1-877-244-6548; Colorado 1-800-433-8781

www.permachink.com

**PERMA-CHINK
SYSTEMS, INC.**



LIFELINE
UV BoostTM

UV Boost provides an extra measure of protection against stain fading due to UV radiation in regions subject to high intensity sunlight.

For use only in water-based stains & finishes produced by Perma-Chink Systems, Inc.

Net Contents: 240 ml.

Add to five (5) gallons stain or finish

05/04

UV Boost is only effective when used in the first coat of stain or finish applied to bare wood. It is not effective when added to topcoats or stains applied over an existing finish. May be used in both interior and exterior applications.

Directions for Use

Shake container. Add entire contents to a full 5-gallon pail of stain or finish. Shake or stir well after addition. Follow labeled application directions for stain or finish.

DO NOT FREEZE.

PERMA-CHINK[®]
SYSTEMS, INC.

Made in USA

EASTERN DIVISION
Knoxville, TN
1-800-548-3554

WESTERN DIVISION
Redmond, WA
1-800-548-1231

Material Safety Data Sheet



IDENTITY (As Used on Label and List)
UV Boost

Section I

Manufacturer's Name Perma-Chink Systems, Inc.	Emergency Telephone Number: CHEMTREC 1-800-424-9300
Address (Number, Street, City, State, and ZIP code) 1605 Prosser Road	Telephone Number for Information: 865-524-7343
Knoxville, TN 37914	Date of Preparation 8/17/09
Preparer's Name Sean Gahan	Signature of Preparer (optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Component (Specific Chemical Identity, Common Name(s):	CAS #	OSHA / PEL	ACGIH TLV	Other Limits Recommended	% (optional)
None Known					

Section III – Physical/Chemical Characteristics

Boiling Point: 212 °F	Specific Gravity (H ₂ O = 1) 1.00 – 1.05
Vapor Pressure (mm Hg.) N/A	Melting Point % Volatile (Volume) 75-90
Vapor Density (Air = 1) >1	Evaporation Rate (Butyl Acetate = 1) > 1
Solubility in Water Miscible with water; insoluble in most petroleum solvents	
Appearance and Odor Dark Orange solution	

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) None	Flammable Limitations N/A
Extinguishing Media CO ₂ , dry chemical, foam, water mist	
Special Fire Fighting Procedures Use self contained breathing apparatus	

Unusual Fire and Explosion Hazards

Decomposition and combustion products may be toxic.

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	✓	None Known
Incompatibility (Materials to Avoid)	Avoid strong oxidizing agents, strong acids, strong bases.		
Hazardous Decomposition or Byproducts	Under extreme heat product may form carbon monoxide, carbon dioxide, nitrogen oxides, and other toxic compounds.		
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	✓	None Known

Section VI – Health Hazard Data

Routes of Entry Inhalation? Yes Skin? Yes Ingestion? Yes Eye Contact? Yes

Health Hazards (Acute and Chronic)

Eye Contact: May cause eye irritation, which may be severe if prolonged

Ingestion: May be harmful if swallowed.

Skin Contact: No harmful effects expected.

Inhalation: Avoid inhalation.

Carcinogenicity? NO

NTP? NO

IARC Monographs? NO

OSHA Regulated? NO

No long-term adverse effect are known.

Signs and Symptoms of Exposure: None known

Medical Conditions: None known

Emergency and First Aid Procedures:

Eye contact: Flush with clean water for at least 15 minutes; seek medical attention.

Ingestion: Give two glasses of water to dilute. DO NOT induce vomiting. If irritation develops, seek medical attention.

Skin contact: Wipe excess material away. Wash affected area with soap and water.

Inhalation: If vapors are inhaled, move individual to fresh air. Seek medical attention if irritation develops or breathing becomes difficult

Section VII – Precautions for Safe Handling and Use

Steps to be taken in Case Material is Released or Spilled

For small spills, absorb with non-flammable material. Dike large spills for clean up and disposal.

Waste Disposal Method

Dispose of material in accordance with all applicable Federal, State, and Local regulations

Precautions to be taken in Handling and Storing

Read and Observe all precautions on the product label. KEEP OUT OF REACH OF CHILDREN.

Other Precautions

Keep product from freezing.

Section VIII – Control Measures

Respiratory Protection (Specify Type)

Wear NIOSH – approved organic vapor respirator if product is sprayed indoors

Ventilation Local Exhaust

None required

Special

Mechanical (general)

Other

Protective Gloves

Wear gloves when handling.

Eye Protection

Goggles or safety glasses

Other Protective Clothing or Equipment

None

Work/Hygenic Practices

The information contained herein is, to the best of Perma-Chink Systems, Inc. knowledge, accurate as of the data indicated. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assumes the risk of his use thereof.