

# Wood Cleaners and Strippers

## S-100™

### An Environmentally Friendly Finish Remover

S-100 Finish Remover is an easy to use water-based solvent that removes most types of oil and water-based finishes. S-100 is a gel that can be applied with a brush or airless sprayer. Once the existing finish has softened a pressure washer is required to remove the finish. The high water solubility of S-100 makes it easy to clean up. Since it is biodegradable there is no concern about contaminating the surrounding soil.

Unlike sodium or potassium hydroxide strippers, S-100 will not darken nor discolor the wood. S-100 may not be effective for removing some high performance coatings that may require a more aggressive chemical finish remover such as Smart Strip. We strongly recommend that you obtain and test free samples of both S-100 and Smart Strip before placing an order.



**Surface Preparation:**  
None.

**Application Rates:**  
50 to 100 sq.ft. per gallon.

**Application Temperature:**  
50° F to 90° F

**Application Methods:**  
Brush.  
Roller.  
Airless sprayer.

**# of Coats:**  
As needed.

**Drying Time:**  
Do not allow to dry on wall.  
**Clean up:**  
Water.

**Packaging:**  
5 gallon pails.  
Samples available.

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



## Smart Strip™

### Professional-Grade Finish Remover

Use Smart Strip and a pressure washer to remove the most stubborn finishes. Its organic formula is pH neutral, contains no caustic or harsh chemicals and is biodegradable.

Smart Strip may be applied with a brush or airless sprayer. If using an airless sprayer contact a Perma-Chink Systems location for additional information. Smart Strip will not darken or discolor the wood. As with the use of all finish removers and wood cleaners it is of utmost importance to thoroughly rinse the surface once the finish is removed.

**Surface Preparation:**  
None.

**Application Rates:**  
50 sq.ft. per gallon.

**Application Temperature:**  
40° F to 90° F

**Application Methods:**  
Airless sprayer.  
Brush

**# of Coats:**  
As needed.

**Drying Time:**  
Do not allow to dry on wall.

**Clean up:**  
Water.

**Packaging:**  
5 gallon pails.  
Samples available.

**Storage/Shelf Life:**  
Freeze/thaw stable.



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](http://www.permachink.com)



9/04

## Finish Remover

**S-100 Finish Remover is an environmentally friendly, water-based solvent that may be used to remove many oil and water based finishes. However, it may not be effective for removing some high performance coatings that may require a more aggressive chemical stripper. Unlike sodium or potassium hydroxide strippers, S-100 will not darken nor discolor the wood.**

### DIRECTIONS FOR USE

#### SAFETY INSTRUCTIONS

Keep out of reach of children. Although S-100 is not nearly as corrosive as many commonly used finish removers, be sure to wear a long sleeved shirt, rubber gloves and eye protection during use. If exposed, flush eyes with water and wash skin with soap and water. Rinse down plants, shrubs, and grass with plenty of water if S-100 comes in contact with them.

**COVERAGE RATE:** Coverage will be approximately 50 to 100 square feet per gallon depending on the surface texture.

**EQUIPMENT:** Safety equipment, bucket, brush or roller, paint scraper, rags, and a pressure washer capable of generating at least 500 to 600 psi. For the most efficient removal of the finish, use a pressure washer with an output of three gallons per minute or greater and a 15 degree fan tip nozzle.

#### APPLICATION INSTRUCTIONS

S-100 works best when applied at temperatures between 50°F and 90°F and try to avoid working in direct sunlight. Work on small sections (50 square feet or so) at a time. Apply a generous

amount of S-100 to the wood surface using a brush or roller. If removing a finish from a wall, start at the bottom of the wall and work your way up. Allow the S-100 to remain on the surface for at least 10 minutes. If it starts to dry out, a light misting with water will help keep it active.

Once the finish has softened, remove it with a pressure washer. On walls, pressure wash starting at the top of the area and work your way down. If there are spots where pressure washing has not removed all of the finish, try scraping off the remaining finish with a paint scraper while the finish is still soft. Protected areas under porch roofs, soffits, etc. may need a second application to remove all of the finish.

Once the finish removal process is completed, be sure to thoroughly rinse the surface in order to remove any S-100 residue and return the wood to its proper pH balance.

#### CLEAN UP

Use soap and water to clean tools and equipment.

#### LIMITED WARRANTY

Perma-Chink Systems, Inc. warrants and represents that Perma-Chink Systems Family of Products will conform to the description and specifications previously set forth and be free from defects in material and workmanship when shipped to the buyer. EXCEPT WHEN HEREIN EXPRESSLY STATED, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, APPLICABLE TO THE PERMA-CHINK LOG HOME PRODUCT. PERMA-CHINK SYSTEMS EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**PERMA-CHINK<sup>®</sup>**  
**SYSTEMS, INC.**  
[www.permachink.com](http://www.permachink.com)

**Eastern Division 1-800-548-3554**  
**Western Division 1-800-548-1231**  
**Colorado 1-800-433-8781**  
**Minnesota 1-877-244-6548**  
**Montana 1-800-479-7090**

**Net Contents:**  
**5 gallons**  
**(approx. 18.9 liters)**

# Material Safety Data Sheet



**IDENTITY** (As Used on Label and List)  
**PCSI S-100 Finish Remover**

## Section I

Manufacturer's Name <b>Perma-Chink Systems, Inc.</b>	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)
Sodium Metasilicate	6834-92-0	N/A	N/A		0 – 5%

## Section III – Physical/Chemical Characteristics

Boiling Point: 212 °F	Specific Gravity (H <sub>2</sub> O = 1) 1.04 – 1.06
Vapor Pressure (mm Hg.) 20 mm Hg @ 68 F	Melting Point % Volatile (Volume) 85-95
Vapor Density (Air = 1) >1	Evaporation Rate (Water = 1) > 1
Solubility in Water Complete	
Appearance and Odor Thin green liquid with citrus odor.	PH : 10.5 – 11.5

## Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limitations N/A
Extinguishing Media Non-Flammable	
Special Fire Fighting Procedures N/A	
Unusual Fire and Explosion Hazards N/A	

## Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	✓	
Incompatibility (Materials to Avoid)	Avoid Strong Acids.		
Hazardous Decomposition or Byproducts	Alkali vapors.		
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	✓	None Known

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## Section VI – Health Hazard Data

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

### Health Hazards (Acute and Chronic)

Eye Contact: Severe eye irritant. Liquid and mists may damage the eyes causing corneal injury.

Skin May cause redness or swelling. Prolonged or repeated contact may cause dermatitis.

Inhalation: May be irritating to the mucous membranes of the nose, throat, and lungs. Chocking, coughing or headache may occur.

Ingestion: Irritation to the mouth, throat and gastrointestinal system. Large amounts may cause vomiting and diarrhea.

Carcinogenicity? NO    NTP? NO    IARC Monographs? NO    OSHA Regulated? NO

No long-term adverse effects are known.

Signs and Symptoms of Exposure: None known

Medical Conditions: None known

### Emergency and First Aid Procedures:

Eye contact: Flush with large quantities of clean water for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. If person is conscious, drink large quantities of water. Consult a physician.

Skin: Remove contaminated clothing. Flush affected area with water. Seek medical attention if irritation persists.

Inhalation: Get fresh air. Seek medical attention if irritation persists.

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## Section VII – Precautions for Safe Handling and Use

Steps to be taken in Case Material is Released or Spilled

Mop up or otherwise absorb with inert material and collect for 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.

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## Section VIII – Control Measures

Respiratory Protection (Specify Type)

Use with adequate ventilation.

Ventilation Local Exhaust

Provide local exhaust .

Special

Mechanical (general)

Other

Protective Gloves

Use waterproof protective gloves.

Eye Protection

Goggles or safety glasses recommended.

Other Protective Clothing or Equipment

N/A.

Work/Hygenic Practices

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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.