

## WARNING!

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

## WARNING! COMBUSTIBLE LIQUID & VAPOR.

Contains Petroleum Distillates. Vapor harmful. Keep away from sparks, heat, flames and sources of ignition. Do not smoke while using product. For exterior use only. Not for interior use. May be harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Avoid breathing vapors and spray mist. A dust mask does not provide protection against vapors. If properly used, a respirator (NIOSH-approved for organic vapor with P series particulate pre-filter) may offer additional protection; obtain professional advice before using. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

DO NOT TAKE INTERNALLY. If you experience eye watering, headaches or dizziness, leave area to obtain fresh air. Close container after each use.

## First Aid

If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.

In case of skin contact, wash thoroughly with soap and water. Remove contaminated clothing, and wash clothing right away. Call doctor if skin irritation persists.

If swallowed, get medical attention immediately. Do not induce vomiting. Refer to the MSDS for this product as needed.

## Keep Out of Reach of Children!

## Notice

Reports have indicated that repeated and prolonged occupational overexposure to solvents can lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the vapors from this product may be harmful or fatal.

## WARNING!

If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

## WARRANTY

Sashco warrants this product will substantially meet published specifications on the date of sale. If it fails to do so, return unused portion with original sales receipt for replacement or refund, at Sashco's sole option. This is purchaser's sole and exclusive remedy.

**This product is sold "AS IS." To the extent permitted by law, there are no warranties which extend beyond the description on the face hereof and Sashco will not be liable for direct, indirect, special, incidental or consequential damages.**

This Limited Warranty gives you specific legal rights. You may have other rights which vary from jurisdiction to jurisdiction. Some jurisdictions do not allow exclusion of implied warranties in consumer or other sales, limitations on the duration of implied warranties, or exclusion or limitation of incidental or consequential damages. The limitations or exclusions contained above may not apply to you depending upon your specific circumstances.



## Typical Properties

(Not to be considered specifications)

### Colors:

Natural	Brown Tone Light
Gold Tone Light	Brown Tone Medium
Gold Tone Medium	Brown Tone Dark
Gold Tone Dark	Redwood
Red Tone Light	
Red Tone Medium	
Red Tone Dark	

**Packaging:** 1 gallon and 5 gallon pails

**Usage:** Exterior only

### Coverage rate:

1st coat: 150-250 sq. ft. per gallon  
2nd and Maintenance coats: 300-500 sq. ft. per gallon  
(As with all stains, coverage will vary depending upon roughness and porosity of the wood.)

**VOCs:** < 250g/L

### Application Range:

40°F (4°C) and rising to 90°F (32°C) and falling. In severe conditions (under 40°F (4°C) and/or 70%+ humidity), full rain resistance may take longer. Protect surfaces with plastic sheeting if rainfall or snowfall is expected within 24 hours after application.

### Compatibility:

Transformation Log & Timber is recommended for use with all Sashco chinking and caulking products. Please contact Sashco for details on other specific compatibility questions.

### Dry Time:

Allow the first coat to thoroughly dry for 24 hours (possibly longer in cold and/or humid weather). Once thoroughly dry, follow with a lighter second coat. If desired, apply a third coat for a higher gloss. (The first coat will soak in and appear somewhat flat. The second coat should only be applied once the first coat is thoroughly dry in order to ensure proper film formation and UV protection from the stain, as well as give it a light gloss.)

**Viscosity:** 50-150 centipose

**Density:** 8.0-8.5 lbs./gal.

**Solids:** 60-65% by weight

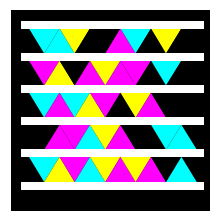
**Odor:** Solvent, mothballs

**Freeze-Thaw:** Passes 5 freeze-thaw cycles

The data reported here are believed to be reliable. No warranty is made or implied concerning the accuracy of or the results obtained from their use.

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[www.sashco.com](http://www.sashco.com)



Speak with Stain Experts  
Mon-Fri, 6 a.m. – 5 p.m. MST  
**1-800-767-5656**

TRN 002 3-12



# Transformation Stain.

Restore the Wood Nature Destroyed

## Log & Timber

- Stunning Oil Finish
- Shows the Wood Grain
- Perfect for New Construction & Restoration Projects
- Oil-Based
- Gloss Finish

## “A Better Way to Stain”

It's about Transformation: old and weathered logs brought to life again, or timbers refreshed with color when they were once only gray.

These are the results we want for our dream home, but sometimes those results seem like a distant fantasy. We've seen other log and timber homes scorched by the sun and are afraid of the “big project” nature and the hefty price tag of maintaining our own. Contrary to common wisdom, having a great quality stain is only half the battle. The other half is what is neglected the most: routine maintenance. Over time, routine maintenance is truly the key to easier and less expensive staining.

When done every 3-5 years, we find that routine maintenance saves a lot of time and money by eliminating much of the prep work before staining. Simply do a light power wash, allow the wood to dry, and apply a maintenance coat. No sanding or stain removal necessary. Your contractor will be happy you called him sooner rather than later, and your pocketbook will be, too. It's that simple.

Use a quality stain like Transformation Stain® Log & Timber and you'll transform the look of your wood. Practice routine maintenance, and you'll discover a better way to stain.

For Sashco's complete guide on a better way to stain, keep reading. You'll find step-by-step instructions on the following key topics:

### Sampling

To get the look you want, sample the stain on your wood.

### Prep

Proper prep starts you down the right path.

### Application

Proper application of a quality stain ensures long-term performance.

### Routine Maintenance

Reduce long-term costs, time and effort.

## Sampling

Proper sampling is where it starts. It is critical because the same stain can look very different on various species of wood. Different prep and application methods will also affect the final result. Therefore, sampling on your wood is the only way to make sure you get the color you want the first time.

It's easy: on a small, inconspicuous test area (we recommend a minimum 2 sq. ft. space), simply do each step the exact same way you will on all of your logs and timbers.

- Prep the wood.
- Apply the stain.
- Let the stain dry (both between coats and after all coats are applied).
- If working with a contractor, don't allow the contractor to stain until you have thoroughly discussed and demonstrated the look you want. Show him/her the sample.
- Don't stain all of your logs and timbers before you verify that you're achieving the look you want. It is best if you can be on-site when staining starts.



## INFO SHEET

[www.sashco.com](http://www.sashco.com) • 800-767-5656



## Prep

Proper substrate preparation and application mean greater longevity, better color, and better long-term performance.

- **Make sure it sticks:** If you are changing from one stain product to another, contact us first. Transformation Log & Timber will adhere to almost any surface that is properly prepped. Be aware that any product already on the wood that contains waxes, non-drying oils, silicones, or anything that forms thick layers on the wood, can interfere with the adhesion and penetration of Transformation Log & Timber, or any stain, and must first be removed.

**1 Cleanliness is a virtue:** Starting with an absolutely clean surface means better penetration and adhesion of the stain, which means better longevity and a more beautiful finish.

- Media blast, vigorously power wash or sand wood surfaces using an Osborn® brush or 60–80 grit sand paper to remove failing stains and loose, unsound wood fibers, along with surface contaminants.
- If mildew is present, apply Sashco's CPR® in the brightener strength according to the directions, or apply fresh bleach in a 4 parts water to 1 part bleach solution. Allow it to sit no more than 20 minutes, and then thoroughly rinse.

**2 Fuzz be gone:** For the best appearance, remove felting (wood fuzz) with Osborn brushes, Sashco's Buffy Pad system or 60–80 grit sand paper once the wood is dry. Remove all sawdust with a broom, compressed air or a leaf blower.

- **Don't delay:** UV rays from the sun can damage cleaned wood surfaces in as little as 1 week; therefore, stain should be applied no more than 2 weeks after wood prep is completed.

- **Sunny with a chance of more sun:** Plan to stain when the forecast is predicting clear, rain-free weather that will extend 1-2 days after the stain has been applied. If rain can't be avoided, be sure to protect the stain from direct rainfall for 1-2 days after the stain is applied to prevent it from being washed off the surface.

**3 Preserve, please:** Apply Sashco's PeneTreat® for protection against wood rot and insects. Allow wood to dry at least 2-4 days. (Use a moisture meter to check it!)

Osborn® is a trademark of Osborn International.



Media Blast (preferred method)

Power Wash

**1 Remove old stain or unsound wood fibers**



Osborn® Brush

**2 Remove wood fuzz (splintering or felting)**

**3 Apply PeneTreat® for protection**



## Routine Maintenance

Everyone knows that a \$30 oil change twice a year beats a \$2,000 mechanic's bill. Routine maintenance on your logs or timbers could be the difference between \$2,000 every 3-5 years or \$20,000 to completely redo the job. It's truly the key to "a better way to stain."

**1. Cleanliness is still a virtue:**

- Lightly power wash your logs or timber to remove grease spots, pollen, bird droppings and other surface contaminants.
- If mildew is present, apply Sashco's CPR® in the cleaner strength according to the directions, or apply fresh bleach in a 4 parts water to 1 part bleach solution. Allow it to sit no more than 10 minutes, and then thoroughly rinse. Allow the surface to thoroughly dry. (This generally takes 2-4 days in ideal weather. To know for sure, use a moisture meter to check!)

**2. One more coat, please:**

- Spray on one maintenance coat of Transformation Stain® Log & Timber. If only a brush is used, be sure to drench-apply the stain to ensure adequate coverage. Don't skimp.
- Vigorously brush the stain, pushing it into the wood, catching any drips. This promotes the best adhesion and penetration, and leaves an even, consistent coat of stain.

## Application

Proper application of the stain, combined with the prep you've already done, will complete the transformation of your logs and timbers.

**1. Stay dry:** Use a moisture meter to make sure wood is at or below 19% moisture content level before applying stain. Damp wood can prevent the stain from penetrating properly and can eventually lead to peeling.

**2. Say no to mildew:** Help keep surface mold and mildew at bay by adding more mildewcides to the stain. We recommend Stay Clean I/E™.

**3. Mix it up:** Thoroughly mix the stain. The preferred method is to use a drill-driven, squirrel-cage type mixer. No matter what method is used to mix the stain, you can ensure the most consistent color by:

- Scraping all pigment off the bottom of the pail and thoroughly mixing it in.
- Interblending pails with different lot numbers.
- Stirring the stain every 10-15 minutes throughout application to keep the pigments evenly distributed through the stain.

**4. Warm feelings:** Apply Transformation Log & Timber to wood surfaces that are no colder than 40°F (4°C) and no hotter than 90°F (32°C). Extreme temperatures will prevent proper penetration and drying of the stain. Plan your work so that surface temperatures fall within this range. Do not apply to surfaces in direct intense sunlight and work in sections to avoid lap marks.

**5. Spray it again, please:**

- a. Spray on one heavy coat of Transformation Log & Timber stain. If only a brush is used, be sure to drench-apply the stain. Don't skimp.
- b. Vigorously brush the stain, pushing it into the wood and all cracks and checks, catching any drips. This promotes the best adhesion and penetration, and leaves an even, consistent coat of stain.

- Wait until the first coat is dry (24 hrs.), then apply a light second coat of stain, spraying and back brushing as with the first coat.

**6. Bask in it:** Enjoy your beautiful log or timber home.

Stay Clean I/E is a trademark of Walla Walla Environmental.

## Clean-up

Clean brushes and equipment with mineral spirits. Hands may be cleaned with citrus-based hand cleaners, and then washed with soap and water. Follow local, state and federal guidelines for disposing of empty cans or any unused product. For rag disposal, see DANGER! statement.

## Storage

Do not store in direct sunlight or hot conditions. Tightly reseal opened containers and store at temperatures between 50°F and 90°F (10°C - 32°C). If skinned over, remove the skin before thoroughly stirring the product.

**1 Make sure the wood is dry**



**2 Optional: add mildewcide**



**3 Mix the stain**



**4 Surface temperature 40° - 90°F**



**5a Spray on one heavy coat of stain**



**5b Back-brush stain into the wood**

## DANGER!

If improperly stored, rags, drop cloths, steel wool or other items wet with Transformation Log & Timber or solvents may spontaneously catch on fire. To avoid fire, place such items in a water-filled metal container, and in no case should such items be stored in or near buildings, vehicles or other valuable structures which could catch fire if spontaneous combustion should occur.

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# Material Safety Data Sheet

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**PRODUCT NAME:** Transformation Log & Timber Stain  
**SYNONYMS:** Transformation Stain – Log & Timber

**PRODUCT COLORS:** Brown Tone Dark, Brown Tone Light, Brown Tone Medium, Gold Tone Dark, Gold Tone Light, Gold Tone Medium, Natural, Red Tone Dark, Red Tone Light, Red Tone Medium, Redwood

===== **SECTION I - MANUFACTURER IDENTIFICATION** =====

**MANUFACTURER'S NAME:** Sashco, Inc.  
**ADDRESS:** 10300 E. 107th Place, Brighton, Colorado 80601  
**EMERGENCY PHONE:** 1-800-535-5053 (Infotrac, Inc.)  
**INFORMATION PHONE:** 1-800-767-5656 (Sashco, Inc.)  
**DATE PREPARED:** February 6, 2012  
**REPLACES:** January 18, 2011  
**REASON REVISED:** New Formula  
**PRODUCT DESCRIPTION:** High solids, solvent-based stain for exterior wood surfaces

	<u>HMIS Ratings</u>	
<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>
2	2	0

===== **SECTION II - HAZARDOUS INGREDIENTS** =====

<u>INGREDIENT</u>	<u>CAS#</u>	<u>WT.%</u>	<u>TLV</u>	<u>PEL</u>	<u>VAPOR PRESSURE</u>
3-Iodo-2-Propynyl Butyl Carbamate	55406-53-6	<5%	none est.	none est.	N/A
Methyl Ethyl Ketoxime	96-29-7	<2%	none est.	none est.	10 mmHg @ 20°C
Mineral Spirits	8052-41-3	10-25%	100PPM	100PPM	2 mmHg @ 20°C
Parachlorobenzotriflouride	98-56-6	10-25%	none est.	none est.	5.3 mmHg @ 20°C
Tertiary Butyl Acetate	540-88-5	0.5-3%	200PPM		34 mmHg @ 25°C

===== **SECTION III - PHYSICAL DATA** =====

**BOILING RANGE:** 300 - 400°F  
**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 0.97  
**VAPOR DENSITY:** Heavier than air  
**EVAPORATION RATE:** Slower than ether  
**SOLUBILITY IN WATER:** Insoluble  
**APPEARANCE AND ODOR:** Colored liquid, with aromatic odor  
**VOC CONTENT:** < 250g/L

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

**FLASH POINT (°F):** >105°F  
**FLAMMABLE LIMITS IN AIR BY VOLUME:** **LOWER:** 1.0% **UPPER:** N/A  
**EXTINGUISHING MEDIA:** Foam, dry chemical, and water fog

**SPECIAL FIRE FIGHTING PROCEDURES:**  
Self-contained respiratory protection should be provided for fires in buildings or confined areas. Keep exposed containers cool with water spray.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
Material will oxidize and can cause SPONTANEOUS COMBUSTION of contaminated rags, sawdust, or other ignitable absorbent material. Immerse in water immediately.

Keep containers tightly closed. Isolate from heat, sparks, electrical equipment, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surface requires special precautions.

===== SECTION V - REACTIVITY DATA =====

**STABILITY:** Stable  
**CONDITIONS TO AVOID:** High temperatures, sparks, open flames.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**  
Fumes possible – may contain carbon monoxide; carbon dioxide and unidentified organic compounds may form during combustion.

**HAZARDOUS POLYMERIZATION:** Will not occur.

===== SECTION VI – HEALTH HAZARD DATA =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF OVEREXPOSURE:**  
Inhalation: dizziness, breathing difficulty, headaches, loss of coordination, nausea, vomiting and malaise.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF OVEREXPOSURE:**  
Direct contact with eyes can cause irritation. Prolonged or repeated contact of undiluted product with skin may cause irritation.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF OVEREXPOSURE:**  
Skin contact: can dry and defat skin, causing cracks and irritation. Slightly toxic if absorbed through skin.

**INGESTION HEALTH RISKS AND SYMPTOMS OF OVEREXPOSURE:**  
Can cause irritation, nausea, and may be harmful if swallowed. Get medical attention immediately. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. DO NOT INDUCE VOMITING.

**HEALTH HAZARDS (ACUTE AND CHRONIC):**  
This product may be an eye irritant, may cause skin irritation upon prolonged or repeated contact, may cause breathing difficulties, dizziness or light-headedness when working in areas with high vapor concentrations.

**OSHA REGULATED:** 100 ppm TWA vapor exposure is the maximum allowable. Insure good ventilation.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY PROLONGED OVEREXPOSURE:**

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nerve damage. May aggravate an existing dermatitis.

**EMERGENCY AND FIRST AID PROCEDURES:**

Inhalation: remove to fresh air; restore breathing; treat symptomatically; consult a physician. Splash (eye); flush immediately with water for at least 15 minutes; consult a physician for medical treatment. Splash (skin): wash affected area with soap and water; remove contaminated clothing; consult a physician. Ingestion: do not induce vomiting; consult a physician or poison control center.

===== **SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE** =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Remove sources of ignition and provide ventilation. Large spills may be scooped up with non-sparking tools or pumped. Provide respiratory protection if required. Small quantities may be picked up with inert absorbent material. See Waste Disposal Method.

**WASTE DISPOSAL METHOD:**

Place in appropriate containers after drying. Use approved sanitary landfill in accordance with local, state, and federal regulations. Obey relevant laws.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

Keep product containers cool, dry, and away from sources of ignition. Closed containers may explode when exposed to extreme heat.

**OTHER PRECAUTIONS:**

Do not take internally. Avoid prolonged contact with skin, breathing spray, mist, heated vapors or spray mist. Emptied containers may retain hazardous properties.

**Lay out flat any rags soaked with Transformation to dry completely before disposal. Do not put wet rags in the trash, or spontaneous combustion may occur. If rags need to be stored in a container, make sure they are completely submerged in water to avoid spontaneous combustion. Keep all such items away from buildings, vehicles or other valuable structures that could catch fire if spontaneous combustion should occur.**

===== **SECTION VIII – CONTROL MEASURES** =====

**RESPIRATORY PROTECTION:**

Follow OSHA Regulation 29 CFR 1910.134 for respirator use. Use air-purifying respirator that respirator supplier has demonstrated to be effective for solvent vapors up to the maximum level at which the respirator is effective. If concentration of solvent exceeds the level at which the air-purifying respirator is effective, use appropriate supplied air respirator.

**VENTILATION:**

Designed and maintained to provide volume and pattern to assure adequate ventilation or to prevent vapor concentration in excess of LEL or recommended TWA.

**PROTECTIVE GLOVES:**

Required for prolonged or repeated contact. Use neoprene rubber gloves.

**EYE PROTECTION:**

Use chemical safety glasses or goggles.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

Remove and wash contaminated clothing before reuse.

**WORK/HYGIENIC PRACTICES:**

Wash hands before eating.

===== SECTION IX – TRANSPORTATION REQUIREMENTS =====

**DEPARTMENT OF TRANSPORTATION REQUIREMENTS:**

US DOT (49 CFR) Ground:	May be classified as a combustible liquid in non-bulk containers UN1263, Paint, Class 3, PG III
US DOT (49 CFR) Air:	UN1263, Paint, Class 3, PG III
IMO Ocean:	UN1263, Paint, Class 3, PG III
IATA/ICAO Air:	UN1263, Paint, Class 3, PG III

===== SECTION X - DISCLAIMER =====

**DISCLAIMER:**

The information contained herein is based on data available at the time of preparation of this data sheet and which Sashco Inc. believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. Sashco, Inc. shall not be responsible for the use of this information or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment and the health and safety of your employees and users of this material.