
Material Safety Data Sheet

PRODUCT NAME: TRANSFORMATION EXTERIOR WOOD STAIN
(previously called 'Hi-Sol Stain and Primer')
PRODUCT COLORS: All

===== 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 REVISED: 10-17-03
NAME OF PREPARER: Robin Kupernik
Product Description: High solids, solvent-based stain for exterior wood surfaces

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

<u>Hazardous Components</u>	<u>Occupational Exposure Limits</u>			<u>Vapor Pressure</u> mmHg @ Temp	<u>Wt%</u>	<u>Flash Pt.</u>
	<u>OSHA PEL</u>	<u>ACGIH</u>	<u>TLV OTHER</u>			
Mineral Spirits 8052-41-3	100 PPM			2 mm @ 20°C	55-65%	105°F

*** No toxic chemicals subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372 are present.

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

BOILING RANGE: 313 - 387°F
SPECIFIC GRAVITY (H₂O = 1): 0.87
VAPOR DENSITY: Heavier than air
EVAPORATION RATE: Slower than ether
SOLUBILITY IN WATER: Insoluble
APPEARANCE AND ODOR: Colored liquid, with slight odor
VOC CONTENT: 530 – 540 g / liter (varies slightly with product color)

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

FLASH POINT (°F): 100.9°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:
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 TC19c NIOSH/NSHA 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:

Designated a combustible liquid by D.O.T. regulations.

===== 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.