

STAIN SHIELD

STS 5009

UNFINISHED WOOD PROTECTANT

**Stain Shield
Suite 800
101 South Hanley Rd.
Saint Louis, Missouri 63105-3391**

PRODUCT INFORMATION SHEET

PRODUCT NAME: Unfinished Wood Protectant
PRODUCT ID#: STS 5009

Description: STS 5009 is a solution containing solvents and polymers capable of rendering unfinished wood surfaces water and oil repellent.

TECHNICAL SPECIFICATIONS:

Weight	6.4 – 6.6 lbs. per gallon
Color	Clear to amber
Odor	Slight solvent odor
Physical Form	Liquid
Freezing Point	Less than 0°F
Flash Point	See MSDS
Packaging	5, 30, and 55 gal. Containers

TOXICOLOGY: Keep away from eyes. In case of eye contact rinse with large quantities of clean free flowing water for fifteen minutes. Contact physician if irritation persists. Keep away from skin. In case of skin contact, wash with soap and water. Use with adequate ventilation. Always use in well ventilated area or with proper respiratory protection. Do not ingest. In case of ingestion, give a quart of water to drink and take person to a hospital immediately. Read the Material Safety Data Sheets for more information.

DIRECTIONS FOR USE:

APPLICATION: Application can be accomplished by low pressure spraying, roller or brush. Pre-test surface to be treated to determine if it is suitable. If you see any adverse effects, such as, but not limited to, color change, chalking, or speckling, do not treat. It is the responsibility of the end user to determine if this product is suitable for their intended use. Protect any shrubbery, flowers, lawns or the like from coming into contact with this product otherwise, product may cause damage. Fill any cracks prior to treating with a material suitable for such purpose (i.e., wood filler) and allow to dry for 72 hours before applying **STS 5009**.

- **Spraying:** Use a stainless steel pump sprayer with a sprayer tip size #5. Spray heavy and in uniform strokes that slightly overlap each other. Allow to dry for 24 hours. A second application may be desirable. **DO NOT USE AN ELECTRICAL OR COMPRESSOR DRIVEN SPRAYER TO APPLY. DO NOT SPRAY AT MORE THAN 40 P.S.I.**
- **Roller:** Using a paint roller, apply heavy and in slightly overlapping strokes. Allow to dry for 24 hours. A second application may be desirable.
- **Brush:** Use a paint brush whose bristles are resistant to solvents. Apply to brushing heavy and slightly overlapping strokes. Allow to dry for 24 hours. A second application may be desirable.

ADVANTAGES OVER OTHER PROTECTORS:

- Does not contain mineral oils. **STS 5009** contains advanced state polymers that are suspended in a non-aromatic carrier (OMS).
- **STS 5009** attaches (bonds) to natural wood surfaces. Provides finest water, oil repellency. Helps wood not to warp. *Does not change breathe ability of wood.*

PRODUCT INFORMATION SHEET

- **STS 5009** can protect for many years. Other protectors stop protecting wood surfaces after a few months because the elements (rain, heat, etc.) remove them.
- **STS 5009** is non-yellowing.
- Easy to apply. **STS 5009** can be applied by spraying, brushing or by roller. **STS 5009** treats up to 1000 sq. ft. per gallon.
- Self-curing. Some products never cure completely, and thus, whatever protection they do afford is never at maximum. **STS 5009** is completely air curable and maximum protection is achieved within 72 hours.

SPECIAL COMMENTS: Special care should be taken not to get **STS 5009** on glass or plastic surfaces. **STS 5009** cannot be applied on painted wood surfaces. Once **STS 5009** is applied to wood surfaces, wood surfaces can only be painted using oil based paint. **KEEP AWAY FROM BUSHES, GRASS AND ALL FOLIAGE.**

CONSULT MATERIAL SAFETY DATA SHEETS (MSDS) FOR FURTHER INFORMATION. All sales are subject to Stain Shield's **CONDITIONS OF SALE.**

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : UNFINISHED WOOD PROTECTOR
 IDENTIFICATION NUMBER : STS 5009 DATE PRINTED: 10/25/96
 PRODUCT USE/CLASS :

MANUFACTURED EXCLUSIVELY FOR:

STAIN SHIELD
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PREPARER: RICH KOTTMEYER PHONE: 636-227-0808 PREPARE DATE: 05/20/04

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	TWA	PERCENT
Petroleum Distillates CAS # 8052-41-3	100 ppm	100 pmm		> 90

SECTION 3 – HAZARDS IDENTIFICATION

PRIMARY ROUTES OF ENTRY: Dermal – Yes Ingestion – Yes Inhalation – Yes

POTENTIAL HEALTH HAZARD (Acute and Chronic):

EYES: Mild eye irritant. Direct contact with the solution may cause slight iridal and conjunctival irritation. No permanent damage is anticipated.

SKIN: Can be mildly irritating upon prolonged exposure. May also defat skin.

INHALATION: Can cause symptoms such as, but not limited to, coughing, dizziness, nausea, fatigue, pulmonary disorders, or asphyxiation. Can aggravate pre-existing lung disorders.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard.

CARCINOGENICITY:

NTP - NO IARC MONOGRAPH - NO OSHA REGULATED - NO

MATERIAL SAFETY DATA SHEET

SECTION 4 – FIRST AID MEASURES

EYES: Flush immediately with clean, free flowing water for 15 minutes. Consult a physician if irritation persists.

SKIN: Wash thoroughly with soap and water.

INHALATION: Remove person to fresh air. If not breathing, administer artificial respiration including oxygen. Provide medical attention.

INGESTION: Give a quart or more of water to drink. DO NOT INDUCE VOMITING (aspiration hazard). Never administer liquids by mouth to unconscious persons. Provide medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: 141° F

METHOD USED: TCC

LOWER EXPLOSIVE LIMIT: ND

UPPER EXPLOSIVE LIMIT: ND

EXTINGUISHING MEDIA: WATER, CO₂, DRY CHEMICAL, FOAM.

UNUSUAL FIRE AND EXPLOSION HAZARDS: This material is combustible and may be ignited by extreme heat or flame. This material will burn, but will not ignite readily. Vapors can travel considerable distances to a source of ignition where they can ignite.

SPECIAL FIREFIGHTING PROCEDURES: Use self-contained breathing apparatus when fighting fires involving chemicals.

NA = Not Applicable N/A = Not Available ND = Not Determined

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Observe precautions from other sections. Collect any spills with absorbent material such as vermiculite. Place collected material in a polyethylene lined metal container and seal. Clean up residue with water.

MATERIAL SAFETY DATA SHEET

SECTION 7 – HANDLING AND STORAGE

Avoid contact with eyes. Avoid prolonged and repeated skin contact. Avoid breathing vapors. Use with adequate ventilation. Store in a cool dark place. Keep away from heat, flames or sparks. See other precautions listed elsewhere within this MSDS. FOR INDUSTRIAL/PROFESSIONAL USE ONLY.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None required if ventilation is adequate to keep below TLV.

LOCAL EXHAUST: Recommended to keep air contaminant concentration below the OSHA's PEL and ACGIH's TLV.

MECHANICAL EXHAUST: General ventilation system should be provided.

PROTECTIVE GLOVES: Neoprene rubber gloves.

EYE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: Eyewash equipment. Apron, coveralls, boots, as necessary, to prevent skin contact. Safety shower.

HYGIENIC PRACTICES: Wash hands thoroughly before handling foodstuffs, liquids, or tobacco products.

OTHER HEALTH HAZARDS: If TLV of any component of the product is exceeded, a NIOSH/MSHA jointly approved respirator must be supplied to personnel and used in accordance with OSHA Regulations. Respiratory protection programs must be in accordance with 29CFR 1910.134.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	:	(deg.F): ND
VAPOR PRESSURE	:	(68 deg. F): < 1
VAPOR DENSITY	:	(Air=1.0): > 1
SOLUBILITY IN H ₂ O	:	Insoluble
SPECIFIC GRAVITY	:	(H ₂ O=1) >0.772 (60F/60F)
VOLATILE BY VOLUME:	:	>95 %
VOC CONTENT	:	75%
VOC EXEMPT COMPONENTS	:	25 %
EVAPORATION RATE	:	(Ether=1) ND
APPEARANCE	:	Clear to amber transparent liquid.
ODOR	:	Slight solvent odor

NA = Not Applicable

N/A = Not Available

ND = Not Determined

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SECTION 10 – STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID): Avoid open flames, sparks, hot glowing surfaces or electric arcs.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids, bases, oxidizing agents and selected amines.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition can produce CO₂, CO and possible traces of phosgene and HF.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL PROPERTIES

TOXICOLOGICAL INFORMATION: No information available

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with Federal, State, and Local Regulations (May be incinerated in accordance with FEDERAL, STATE AND LOCAL REGULATIONS).

SECTION 14 – TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Petroleum Distillates, NOS

UN NUMBER: UN 1268

COMBUSTIBLE LIQUID

SECTION 15 – REGULATORY INFORMATION

STS 5009 has no ingredients subject to reporting requirements of SARA 313 and 40 CFR 372

MATERIAL SAFETY DATA SHEET

SECTION 16 – OTHER INFORMATION

IMPORTANT NOTICE

The information presented in this publication is believed to be accurate. However, **NO WARRANTY OF FITNESS OR MERCHANTABILITY** or of any kind, either expressed or implied, is made regarding the product described herein or the information or recommendations contained herein. Since the conditions of use, handling and storage of this product are not within **Stain Shield's** control, **Stain Shield** assumes no liability or responsibility with respect to personal injury or property damage resulting therefrom or with respect to results obtained from use of **STS 1033**.

NOTICE

KEEP CONTAINERS TIGHTLY CLOSED, KEEP CONTAINERS COOL, DRY, AND AWAY FROM SOURCES OF IGNITION, USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION AND/OR RESPIRATORY PROTECTION. AVOID INHALATION OF VAPORS AND PERSONAL CONTACT WITH THE PRODUCT. USE GOOD PERSONAL HYGIENE PRACTICE. "EMPTY" CONTAINERS RETAIN RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OR IGNITION. "EMPTY DRUMS SHOULD BE COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY SHIPPED TO THE SUPPLIER OR A DRUM RECONDITIONER. ALL OTHER CONTAINERS SHOULD BE DISPOSED OF IN AN ENVIRONMENTALLY SAFE MANNER AND IN ACCORDANCE WITH GOVERNMENTAL REGULATIONS.
