

STAIN SHIELD

STS 15002

**VINYL SIDING/PAINTED METAL
PROTECTANT
(WATER BASED)**

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

PRODUCT INFORMATION SHEET

PRODUCT NAME: Vinyl Siding/Painted Metal Siding Protectant
PRODUCT ID#: STS 15002

Description: STS 15002 is a concentrated polymer water system. Properly formulated and applied, STS 15002 will revitalize vinyl siding and painted metal surfaces such as gutters and garage doors. It also contains significant levels of fade resistance and UV protection. With regular use, this product keeps vinyl siding and painted metal surfaces cleaner with less dirt and pollen attaching to it, reduces water spotting, and helps reduce the appearance of mold and mildew stains.

TECHNICAL SPECIFICATIONS:

Weight	~8.3 lbs. per gallon
Color	Clear
Odor	Mild
Physical Form	Nonionic
Solids	Liquid
Freezing Point	32°F
Flash Point	None Measured
Packaging	5, 30, and 55 gal. Containers
Solids	25% (+/- 1%)
*Shelf Life	6 - 12 months

*Depending on such things as, but not limited to, storage conditions, transportation, handling and end user formulation technology. A 10% solution of STS 15002 has been shown to be stable for six months when stored at ambient temperatures.

TOXICOLOGY: This product is considered practically non-toxic orally. Inhalation hazard is considered low to non-existent. Please consult Material Safety Data Sheet for more information.

DIRECTIONS FOR USE:

DILUTION: Dilute ¼% (by weight) of STS 15002 with 97 ¾% parts clean, potable water and then add 2 parts of a nonionic or anionic detergent. Mix well for at least 3 minutes. Using this mixture was the surface and then rinse for a dust free shine.

Special Notes: This product must be stored, transported, and used in above freezing temperatures. Product may not survive freeze and thaw cycles. If product freezes, thaw and re-mix well. If it remains separated or separates after re-mixing discard. Information contained herein is believed accurate but is offered without any warranty, including any warranties of merchantability or fitness for a particular purpose. **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 : VINYL SIDING/PAINTED METAL SIDING PROTECTANT
 IDENTIFICATION NUMBER : STS 15002 DATE PRINTED: 05/20/04
 PRODUCT USE/CLASS :

MANUFACTURED EXCLUSIVELY FOR:

STAIN SHIELD
 101 SOUTH HANLEY RD. STE 800
 SAINT LOUIS, MISSOURI 63105-3391
 INFORMATION: 636-227-0808
 FAX: 636-227-6191

EMERGENCY TELEPHONE
 24 HOURS: 800-424-9300
 INTERNATIONAL 24 HOURS
 TELEPHONE: 703-527-3887

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
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None (water based polymer solution)

SECTION 3 – HAZARDS IDENTIFICATION

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

POTENTIAL HEALTH HAZARD (Acute and Chronic):

EYES: Very 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 (liquid stage only).

INHALATION: Gross over-inhalation may cause symptoms such as, but not limited to, coughing. May aggravate pre-existing lung disorders.

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

CARCINOGENICITY:

NTP - NO

IARC MONOGRAPH - NO

OSHA REGULATED - NO

MATERIAL SAFETY DATA SHEET

SECTION 4 – FIRST AID MEASURES

EYE: 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: **Extremely low toxicity (water based product)**. Give a quart or more of water to drink and induce vomiting. Never administer liquids by mouth to unconscious persons. Provide medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: NONE (water based solution)

METHOD USED: TOC

FLAMMABLE LIMITS:

LOWER EXPLOSIVE LIMIT: ND

UPPER EXPLOSIVE LIMIT: ND

EXTINGUISHING MEDIA: WATER – CO2 - DRY CHEMICAL – FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known. Material is non-flammable and non-combustible

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.

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. See other precautions listed elsewhere within the MSDS. FOR INDUSTRIAL/PROFESSIONAL USE ONLY.

MATERIAL SAFETY DATA SHEET

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None required if ventilation is adequate to keep below TLV (if any are listed herein).

LOCAL EXHAUST: Recommended to keep air contaminant concentration below the OSHA's PEL and ACGIH's TLV (if any are listed herein).

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.

WORK/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): 212
VAPOR PRESSURE	:	(68 deg. F): < 1
VAPOR DENSITY	:	(Air=1.0): > 1
SOLUBILITY IN H ₂ O	:	miscible
SPECIFIC GRAVITY	:	(H ₂ O=1) ~
VOLATILE BY VOLUME:	:	~75 %
VOC CONTENT	:	None
VOC EXEMPT COMPONENTS	:	100 % (solids + water)
EVAPORATION RATE	:	(Ether=1) <1
APPEARANCE	:	clear
ODOR	:	Slight

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

SECTION 10 – STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID): None known

INCOMPATIBILITY (MATERIALS TO AVOID): None known

MATERIAL SAFETY DATA SHEET

SECTION 10 – STABILITY AND REACTIVITY *(Continued)*

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

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

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.

SECTION 14 – TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Non-Hazardous Liquid, NOI

UN NUMBER: NA

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

SECTION 15 – REGULATORY INFORMATION

STS 15002 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 15002**.

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.