

STAIN SHIELD

STS 1035

FABRIC PROTECTANT-Water Based

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

PRODUCT INFORMATION SHEET

PRODUCT NAME: Fabric Protectant
PRODUCT ID#: STS 1033

Description: STS 1033 is a concentrated fluoropolymer water system that cures at ambient temperatures. For faster curing times, apply heat source. Properly formulated, STS 1035 will impart excellent water, soil, and oil repellency to virtually all fabrics, carpeting and most paper products. The bonding properties of STS 1035 are quite strong. After STS 1035 has been properly formulated, applied and cured, the polymer will withstand numerous cleanings and is durable to abrasion.

TECHNICAL SPECIFICATIONS:

Weight	-8.7 lbs. per gallon
Color	Milky White
Odor	Mild
Ionic Activity	Mildly Cationic
Physical Form	Liquid
Solids	- 14 % ± 1%
Freezing Point	32 F
Flash Point	None Measured
Packaging	5, 30, and 55 gal. Containers
Shelf Life	6-12 months*

*Depending on such things as, but not limited to, storage conditions, transportation, handling and end user formulation technology.

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

DIRECTIONS FOR USE:

DILUTION: Dilute 7-10 parts (by weight) of STS 1035 with 93-90 parts clean portable water. Mix well for at least three minutes. It is suggested that .25% (1/4%) of Isopropyl Alcohol be added to the formulation as a preservative. Formulated product can be applied to fabric, carpeting or paper via spraying, padding or roller coating.

Special Notes: This product must be stored, transported, and used in above freezing temperatures. Product may not survive *multiple* freeze thaw cycles. If product freezes, thaw and re-mix well. If it remains separated or separates after re-mixing disregard. Formulated product will be dry to the touch with ambient air in about 10 minutes to 1 hour. Full cure takes about 24-48 hours. To cure product quickly, apply heat source.

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 : FABRIC PROTECTANT
 IDENTIFICATION NUMBER : STS 1035
 PRODUCT USE/CLASS :

DATE PREPARED: 04-24-98

MANUFACTURED EXCLUSIVELY FOR:

STAIN SHIELD

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PREPARER: RICH KOTTMEYER PHONE: 636-227-0808

PREPARE DATE: 04-24-98

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS OSHA PEL
 NONE (water based polymer system)

ACGIH TLV

TWA

PERCENT

MATERIAL SAFETY DATA SHEET

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

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

MATERIAL SAFETY DATA SHEET

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: None (Water Based Product)

METHOD USED: TOC

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. Keep away from heat, flames or sparks. See other precautions listed elsewhere within the MSDS. FOR INDUSTRIAL/PROFESSIONAL USE ONLY.

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.

MATERIAL SAFETY DATA SHEET

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION *(Continued)*

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) ~1.04
VOLATILE BY VOLUME:	:	~86%
VOC CONTENT	:	None
VOC EXEMPT COMPONENTS	:	100% (water and solids)
EVAPORATION RATE	:	(ether=1) <1
APPEARANCE	:	Milky White
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.

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

MATERIAL SAFETY DATA SHEET

SECTION 10 – STABILITY AND REACTIVITY *(Continued)*

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-HAZZARDOUS LIQUID, N.O.I.

UN NUMBER: NA

SECTION 15 – REGULATORY INFORMATION

STS 1035 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.