

STAIN SHIELD

STS 4021

**GLASS/MIRROR PROTECTOR
(WITH SCRATCH RESISTANCE)**

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

PRODUCT INFORMATION SHEET

PRODUCT NAME: Glass/Mirror Protector
PRODUCT ID#: STS 4021

Description: STS 4021 is a glass protector will impart tremendous water and dirt resistance to glass surfaces as well as *scratch resistance* (when properly applied). This product is ideally suited for the furniture, home improvement, transportation and commercial industries to protect windows and other glass surfaces from rain, mist, dirt, spills, abrasion and other hazards.

TECHNICAL SPECIFICATIONS:

Weight	8.4 lbs. per gallon
Color	Clear to amber
Odor	None discerned
Physical Form	Liquid
Freezing Point	32 Deg F
Flash Point	None
Packaging	5, 30, and 55 gal. Containers (Small packaging also available)

TOXICOLOGY: Please consult the Material Safety Data Sheets (MSDS) for more information before handling **STS 4021**.

DIRECTIONS FOR USE:

Apply liberally onto clean glass surface. Best application method is spraying and immediately wiping and buffing off any excess with a white clean cotton cloth, much like using a window cleaning product. **STS 4021** will ***bond immediately*** to the glass. If any streaks should appear after application remove by using a commercially available glass cleaner.

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 : GLASS/MIRROR PROTECTOR
 IDENTIFICATION NUMBER : STS 4021 DATE PRINTED: 11/11/99
 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
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PREPARER: RICH KOTTMEYER PHONE: 636-227-0808 PREPARE DATE: 11/07/02

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	TWA	PERCENT
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None – water based 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

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. 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. This material exhibits no flash point.

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. 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.

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): ND
VAPOR PRESSURE	:	(68 deg. F): ND
VAPOR DENSITY	:	(Air=1.0): ND
SOLUBILITY IN H ₂ O	:	Miscible
SPECIFIC GRAVITY	:	(H ₂ O=1) ~1.00
VOLATILE BY VOLUME:	:	~99 % (water)
VOC CONTENT	:	nil
VOC EXEMPT COMPONENTS	:	100 % (solids and water)
EVAPORATION RATE	:	(ether=1) <1
APPEARANCE	:	Clear
ODOR	:	Benign

NA = Not Applicable

N/A = Not Available

ND = Not Determined

MATERIAL SAFETY DATA SHEET

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 other toxic by-products.

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

SECTION 15 – REGULATORY INFORMATION

STS 4021 has no ingredients subject to reporting requirements of SARA 313 and 40 CFR 372

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

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 4021**.

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.
