

STAIN SHIELD

STS 12032

PORCELAIN PROTECTANT

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

PRODUCT INFORMATION SHEET

PRODUCT NAME: Porcelain Protectant
PRODUCT ID#: STS 12032

Description: STS 12032 is designed as an additive for bathroom surface cleaners/protectors formulated in water or for use as a stand alone product. It improves water and soil repellency as well as provide soil release for the next cleaning.

TECHNICAL SPECIFICATIONS:

Weight	~8.3 lbs. per gallon
Color	Light yellow
Odor	Mild
Ionic Activity	Cationic
Physical Form	Liquid
Freezing Point	32°F (0°C)
Flash Point	NONE
Packaging	5, 30, and 55 gal. Containers
Solids	3 - 4 % (± 1%)
*Shelf Life	12 – 18 months

*Depending on such things as, but not limited to, storage condition, transportation and handling.

TOXICOLOGY: This product may cause mild gastrointestinal disturbances if swallowed. Read the Material Safety Data Sheets for more information.

DIRECTIONS FOR USE:

Dilution: 1 – 10% diluted with other ingredients by weight. Mix well until uniform.

SPECIAL COMMENTS: This product must be stored, transported, and used in above freezing temperatures (above 32 degrees F). 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, 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 : PORCELAIN PROTECTANT
 IDENTIFICATION NUMBER : STS 12032 DATE PRINTED: 07/21/03
 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
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: Slight eye irritant. Direct contact with the solution may cause slight iridal and conjunctival irritation. No permanent damage is anticipated./

SKIN: May be slightly 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: May be harmful if swallowed (symptoms may include gastrointestinal disturbances).

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. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

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

INGESTION: If swallowed, induce vomiting as directed by medical personnel. Get medical attention. NEVER ADMINISTER ANYTHING BY MOUTH TO UNCONSCIOUS PERSONS.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: NONE)

METHOD USED: TCC (Pensky Martens)

AUTO IGNITION TEMPERATURE: ND

LOWER EXPLOSIVE LIMIT: ND

UPPER EXPLOSIVE LIMIT: ND

EXTINGUISHING MEDIA: Use water spray, carbon dioxide, dry power.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Avoid breathing fumes from fire-exposed material.

SPECIAL FIREFIGHTING PROCEDURES: Firefighters and others who may be exposed to products of combustion should wear full fire-fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire-fighting equipment should be thoroughly decontaminated after use.

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

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Observe precautions from other sections. Contain any spills with absorbent material such as vermiculite. Sweep or scoop up and place collected material in a polyethylene lined metal container or other suitable container and seal. Consult a regulatory specialist to determine appropriate state or local reporting requirements for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

MATERIAL SAFETY DATA SHEET

SECTION 7 – HANDLING AND STORAGE

Avoid contact with eyes, skin and clothing. Do not taste, eat or swallow. Avoid breathing vapors. Use with adequate ventilation. Wash thoroughly with soap and water after handling. See other precautions listed elsewhere within the MSDS. FOR INDUSTRIAL/PROFESSIONAL USE ONLY.

Storage: The minimum recommended storage temperature for this material is 40° F (5° C). Keep container closed and store in dark place away from sunlight or other Ultra Violet sources.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Avoid breathing vapor or mist.

ENGINEERING CONTROLS: None

SKIN PROTECTIONS: wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate glove material for given application.

EYE/FACE PROTECTION: Where there is potential for eye contact, wear chemical splash goggles and have eye-flushing equipment immediately available.

WORK/HYGIENIC PRACTICES: Wash hands thoroughly after handling product and before handling foodstuffs, liquids, or tobacco products.

AIRBORNE EXPOSURE GUIDELINES FOR INGREDIENTS: See Section 2 of this MSDS.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	:	(deg.F): ND (deg.C): ND
VAPOR PRESSURE	:	(68 deg. F): < 1
VAPOR DENSITY	:	(Air=1.0): > 1
SOLUBILITY IN H2O	:	Soluble
SPECIFIC GRAVITY	:	(H ₂ O=1) ~ 1.01
VOLATILE BY VOLUME:	:	~97 %
VOC CONTENT	:	NONE
VOC EXEMPT COMPONENTS	:	100 %
EVAPORATION RATE	:	(Ether=1) <1
APPEARANCE	:	Clear amber-colored liquid
ODOR	:	Mild.

NA = Not Applicable

N/A = Not Available

ND = Not Determined

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SECTION 10 – STABILITY AND REACTIVITY

STABILITY (CONDITIONS TO AVOID): None known. This material is stable under normal and anticipated storage and handling condition. Avoid flames, welding arcs, potential ignitions sources, or other high temperature sources, which induce thermal decomposition.

INCOMPATIBILITY (MATERIALS TO AVOID): Contact with strong oxidizers, oxidizing agents and active metals may cause product decomposition.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Possible traces of Hydrogen fluoride, other fluorinated products, carbon dioxide, carbon monoxide and other irritating or toxic gases can be liberated at high temperatures.

HAZARDOUS POLYMERIZATION: Not known to occur.

SECTION 11 – TOXICOLOGICAL PROPERTIES

TOXICOLOGICAL INFORMATION: No information available. Not expected to be toxic.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No Information available.

CHEMICAL FATE INFORMATION: Data on this material and/or its components are summarized as follows. This material is generally considered to be readily biodegradable and would not be likely to bioaccumulate.

SECTION 13 – DISPOSAL CONSIDERATIONS

Recover, reclaim or recycle when practical. Disposal via incineration is recommended. Appropriate pretreatment and disposal in an authorized landfill is acceptable. In all cases, dispose of material in accordance with Federal, State, and Local Laws and Regulations. Consult appropriate regulatory officials for information on such disposal. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

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SECTION 14 – TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Non-hazardous liquid, NOI
 DOT PACKING GROUP: NA
 DOT HAZARD CLASS: Non-hazardous
 DOT UN/NA NUMBER: NA
 GROUND SHIPMENT: Non-hazardous liquid, NOI
 AIR SHIPMENT: Non restricted

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

SECTION 15 – REGULATORY INFORMATION

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370)

Immediate (Acute) Health	N	Fire	N
Delayed (Chronic) Health	N	Reactive	N
		Sudden Release or Pressure	N

Ingredient Related Regulatory Information:

SARA Reportable Quantities

Massachusetts Right To Know

The product does contain the following chemical(s), as indicated below, currently on the Massachusetts Right to Know Substance List.

NONE

New Jersey Right To Know

The product does contain the following chemical(s), as indicated below, currently on the New Jersey Right to Know Substance List.

NONE

Pennsylvania Right To Know

The product does contain the following chemical(s), as indicated below, currently on the Pennsylvania Hazardous Substance List.

NONE

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.