

# Material Safety Data Sheet

## Tuscan Stoneworx Accessories

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

DATE ISSUED: March 1, 2010  
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PRODUCTS COVERED BY THIS MSDS:

- Tuscan Stoneworx Exterior Sealer

COMPANY CONTACT INFORMATION:

**Tuscan Stoneworx USA, LLC**

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### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	NFPA Code	OSHA PEL/TWA	ACGIH TLV/TWA
Ethyl Alcohol (Hydrolysis byproduct)	Proprietary*	1,0,0-	Not Available	Not Available
Alkyl alkoxysilane	Proprietary*	-	Not Available	Not Available
Ethyl Alcohol (hydrolysis byproduct)	64-17-5	1,3,0-	1000 ppm	1000 ppm

\*Specific chemical identity withheld as trade secret pursuant to OSHA regulations. Hydrolysis by-products are present in the product as supplied in minute concentrations. These materials evolve slowly during curing.

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### SECTION 3: HAZARDS IDENTIFICATION

**ROUTES OF EXPOSURE:**

**INHALATION:** of vapor or spray mist.

**EYE OR SKIN:** contact with the product, vapor, or spray mist.

**INGESTION:** of product.

**CARCINOGEN INFORMATION:** Not Listed (OSHA, IARC, NTP)

**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** No applicable information found at this time.

**EFFECTS OF OVEREXPOSURE**

**EYES:** Irritation of the eyes may produce oil like film causing brief, reversible dimness of sight.

**SKIN:** No toxic effects are expected under normal use conditions.

**INHALATION:** Aerosols may cause respiratory irritation.

**INGESTION:** Not expected in industrial/commercial use. On hydrolysis, this product has potential to evolve potentially harmful ethyl alcohol.

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### SECTION 4: FIRST AID MEASURES

**EYES:** Flush eyes with water, lifting eyelids periodically. Remove contact lenses. Continue flushing for 15 minutes or until eyes return to normal. Get medical attention.

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**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists. Wash clothing before re-use.

**INGESTION:** Contact medical personnel or poison control and **DO NOT INDUCE VOMITING** unless instructed to. In the event of vomiting, keep head below waist to prevent any fluids entering into the lungs. Never give anything by mouth to an unconscious person.

**INHALATION:** No respiratory effects have been reported.

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## SECTION 5: FIRE FIGHTING MEASURES

### EMERGENCY OVERVIEW:

Tuscan Sealer, Interior/Exterior is a white, odorless liquid. Contact with the eyes or skin may result in irritation. Mist inhalation may cause irritation. Always wear appropriate personal protective equipment when using the product. Product evolves minute quantities of Hydrogen Gas and Ethyl Alcohol during storage or curing that can accumulate in the container headspace or confined work areas. Adequately ventilate to maintain vapors well below flammability limits and exposure guidelines. Do Not Repackage.

**FLAMMABLE CLASS:** Not Determined

**FLASH POINT (Method):** >212°F (100°C) ASTM D 3278

**EXTINGUISHING AGENTS:** Large Fires: Use Dry Chemicals, Foam or Water Spray. Small Fires: Use Carbon Dioxide (CO<sub>2</sub>), Dry Chemical, or Water Spray.

**UNUSUAL FIRE FIGHTING PROCEDURES:** Although there is no flash point, flammable vapors of ethyl alcohol and hydrogen gas may accumulate in the headspace of the container when storage time exceeds six months.

**SPECIAL FIRE FIGHTING PROCEDURES:** None

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Wear appropriate protective safety equipment. Control spill with absorbent pads or broom. If necessary, apply granular or loose sorbent to spill. When absorbed, sweep or otherwise collect and dispose of properly. Floors may be slippery; care should be exercised to avoid falls.

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## SECTION 7: HANDLING & STORAGE

**PRECAUTIONS:** Wear appropriate safety equipment and clothing to prevent for getting into eyes, skin or on clothing. Do not take internally for any reason. Avoid breathing mist. Never touch face with hands or gloves that may be contaminated with this product. Store in a cool, dry, well ventilated area. Keep container tightly closed when not dispensing product. Use care around spilled materials because it will be slippery.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**PRECAUTIONS TO BE TAKEN IN USE:** Proper work practices and planning should be utilized to avoid contact with workers, passerby, and non-masonry surfaces. Do not atomize application. Beware of wind drift. Set the PRODUCTION DATA sheet and label for specific precautions to be taken during use. Wash hands after each use prior to handling food or other consumables. This product will continue to evolve vapor and ethyl alcohol during cure process. Continue ventilation as needed during curing. Approximate curing time is 3-5 days.

**RESPIRATORY PROTECTION:** Wear a NIOSH approved dust/mist respirator as necessary to avoid unnecessary inhalation of wind drift during application. Ventilate interior spaces during curing as minute quantities of ethanol and hydrogen may be evolved.

**VENTILATION:** Mechanical local exhaust at point of use.

**PROTECTIVE CLOTHING:** Chemically resistant gloves such as nitrile, rubber, or PVC may be used.

**EYE PROTECTION:** Safety glasses with side shields are recommended. Splash resistant goggles or

a face shield should be used to prevent eye contact where wind-drift and excess atomization can pose a risk.

**OTHER PROTECTIVE EQUIPMENT:** Access to an eyewash station is recommended. Personal protective clothing and use of equipment must be in accordance with 29 CFR 1910.133 and CFR 19120.132.

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## SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

### Ethyl Alcohol (hydrolysis byproduct)

Boiling Point ..... 173°F (78.3°C)  
Vapor Pressure ..... 97.68 mm/Hg (68°F/20°C)  
Vapor Density ..... 1.6 (Air=1)  
Evaporation Rate ..... 3.30 (Butyl Acetate=1)

### Methylhydrogen Siloxane

Boiling Point ..... N/A°F  
Vapor Pressure ..... N/A mm/Hg  
Vapor Density ..... N/A (Air=1)  
Evaporation Rate ..... N/A (Butyl Acetate=1)

### Alkyl Alkoxysilane

Boiling Point ..... N/A°F  
Vapor Pressure ..... N/A mm/Hg  
Vapor Density ..... N/A (Air=1)  
Evaporation Rate ..... N/A (Butyl Acetate=1)

### Tuscan Sealer

Specific Gravity ..... .996  
Solubility in Water ..... 100%  
Appearance ..... White Liquid  
Odor ..... Odorless

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## SECTION 10: STABILITY & REACTIVITY

**STABILITY:** Relatively non-reactive, but will hydrolyze slowly at ambient temperatures to hydrogen and ethanol.

**CONDITIONS TO AVOID:** Heat, Frost

**INCOMPATIBILITY:** Oxidizing material can cause a reaction. Water, alcohols, acidic or base materials, and many metals or metallic compounds; when in contact with this product can liberate flammable hydrogen gas. Do not repackage, dilute, or alter this product by any means.

**HAZARDOUS DECOMPOSITION PRODUCTS:** After long periods of time, small amounts of hydrogen gas and ethanol may be formed in the container headspace. Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Carbon oxide and traces of incompletely burned carbon compounds, Silicone dioxide, Nitrogen oxides, Hydrogen, Formaldehyde.

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## SECTION 11: TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** No Data Available

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## SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** No Data Available

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### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose of in a manner approved for this material. As of this writing, the product is not classified as a hazardous waste, however federal regulations prohibits disposal of liquid materials of any kind in a sanitary landfill. Cleanup residuals before disposal. As local and state regulations may vary, consult with appropriate state and local regulatory agencies or the sanitary landfill operator to ascertain proper disposal procedures. Empty containers must not be reused. Drain all liquid possible from the container before disposal in a sanitary landfill.

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### SECTION 14: TRANSPORTATION INFORMATION

**SHIPPING:** This product is not regulated for domestic or international shipment. Vented containers are not allowed in air transportation.

**NATIONAL MOTOR FREIGHT CLASS:** #33880 Sub 2.

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### SECTION 15: REGULATORY INFORMATION

**SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION:**

CAS #	Chemical Compound	% by WT.	% Element.
N/A	N/A	N/A	N/A

**CALIFORNIA PROPOSITION 65:** WARNING: This product contains chemicals know to the State of California to cause cancer and birth defects or other reproductive harm.

**ACETALDEHYDE:** 75-07-0 / <.01%

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### SECTION 16: OTHER INFORMATION

Tuscan Stoneworx USA, LLC, nor any of its affiliates shall be responsible for the use of the information, product, method, or apparatus presented in this Material Safety Data Sheet. The user shall make its own determination as to its suitability and completeness for its particular use, for the protection of the environment, and health and safety purposes. The user assumes all the risks of relying on this information. In no event shall Tuscan Stoneworx be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information. By providing this information, Tuscan Stoneworx neither can nor intends to control the method of manner by which the product is used, handled, stored, or transported. Nothing herein shall be construed as a recommendation or license to use any information that conflicts with any patent, trademark or copyright.

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