

MATERIAL SAFETY DATA SHEET



Volterra Architectural Products
4635 W McDowell Road, Suite 180
Phoenix, AZ 85035-4158
Phone: (602) 352-0888
Fax: (602) 352-0555

TRANSPORTATION EMERGENCY
 CALL CHEMTREC: 800-424-9300
 INTERNATIONAL: 703-527-3887

NON-TRANSPORTATION
 VOLTERRA EMERGENCY PHONE: (602) 352-0888
 VOLTERRA INFORMATION PHONE: (602) 352-0888

1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME.....: Tivoli Stone Classic
 PRODUCT CODE.....: VAP#0004
 CHEMICAL FAMILY.....: Anhydrous Cement
 CHEMICAL NAME.....: Cementitious
 SYNONYMS.....: Plaster, Stucco, Cement

2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME	CAS NUMBER	OSHA EXPOSURE LIMITS		(LESS THAN) CONCENTRATION (%)
		PEL-TWA		
Limestone, Calcium Carbonate	1317-65-3	15.0 mg / m ³	75.0	
Portland Cement	65997-15-1	15.0 mg / m ³	35.0	

Continued on page 2

3. HAZARDS IDENTIFICATION:

POTENTIAL HEALTH EFFECTS:

ROUTE(S) OF ENTRY.....: Inhalation; Skin Contact; Eye Contact.

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE INHALATION.....: Coughing and irritation of the throat and bronchiole tubes may occur upon exposure to dust.

CHRONIC INHALATION.....: Pre-existing respiratory conditions may be aggravated. Bronchitis may be observed.

ACUTE SKIN CONTACT.....: Irritation, drying and cracking of the skin may occur.

CHRONIC SKIN CONTACT.....: Irritation, cracking of the skin.

ACUTE EYE CONTACT.....: Irritation from scratching of the cornea may occur.

CHRONIC EYE CONTACT.....: Scratching of the cornea may occur. Loss of sight could occur from prolonged and excessive exposure.

ACUTE INGESTION.....: Irritation of the esophagus.

CHRONIC INGESTION.....: Not Determined.

CARCINOGENICITY.(IARC).....: No.

Explanation of Carcinogenicity.....: N.A.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Asthma and most other ailments of the lungs.

4. FIRST AID MEASURES:

FIRST AID FOR EYES.....: Flush eyes with clean of water for 15 minutes. Seek immediate medical attention.

FIRST AID FOR SKIN.....: Wash skin with water. If irritation persists, seek medical attention.

FIRST AID FOR INHALATION.....: Relocate to a clean air environment. If problems breathing are encountered, seek immediate medical attention.

FIRST AID FOR INGESTION.....: Do not induce vomiting. Victim should drink copious amounts of water and seek medical attention.

NOTE TO PHYSICIAN...:

EYES: Check for scratching on the cornea, and treat accordingly.

SKIN: None.

INGESTION: None

INHALATION: None

5. FIRE FIGHTING MEASURES:

FLASH POINT.....: Not Applicable - Setaflash(ASTM D-3243, D-3278, D-3828)

FLAMMABLE LIMITS.....: UPPER EXPLOSIVE LIMIT (UEL)(%): Not Flammable
LOWER EXPLOSIVE LIMIT (LEL)(%): Not Flammable

AUTO-IGNITION TEMPERATURE:.....: Not Flammable - DIN 51794

EXTINGUISHING MEDIA:.....: None Determined.

SPECIAL FIRE FIGHTING PROCEDURES...: None.

6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES.....: Material should be swept and placed into a suitable container for disposal.

7. HANDLING AND STORAGE:

STORAGE TEMPERATURE (MIN/MAX).....: 32°F (0°C) / Max Not Determined

SHELF LIFE.....: Indefinitely at 77°F (25°C) when kept dry.

SPECIAL SENSITIVITY.....: Avoid contact with water.

HANDLING/STORAGE PRECAUTIONS.....: Handle with adequate ventilation for nuisance dust. See OSHA 29CFR1910.94 (Ventilation) and 29CFR1910.1000 (Air Contaminants)

Continued on page 4

8. PERSONAL PROTECTION:

REQUIRED WORK/HYGIENE PROCEDURES:

EYE PROTECTION REQUIREMENTS.....: Safety glasses (ANSI Z 87.1)

SKIN PROTECTION REQUIREMENTS.....: Gloves

VENTILATION REQUIREMENTS.....: Light air circulation

RESPIRATOR REQUIREMENTS.....: Dust Mask

ADDITIONAL PROTECTIVE MEASURES.....: Not Determined

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM.....: Dry gritty powder
 COLOR.....: Light Gray
 ODOR.....: Negligible-Nearly Odorless
 ODOR THRESHOLD.....: Not Established
 MOLECULAR WEIGHT.....: Not Established
 pH.....: 11.0 – 12.0 s.u.
 BOILING POINT.....: Not Applicable
 MELTING/FREEZING POINT.....: 2400°F
 VISCOSITY.....: Not Determined
 SOLUBILITY IN WATER.....: Slightly <0.1%
 SPECIFIC GRAVITY.....: 2.3- 2.7 g/cc
 VAPOR PRESSURE.....: Not Applicable
 VAPOR DENSITY.....: Not established (Air = 1)
 VOC BY WEIGHT.....: Not Applicable

10. STABILITY AND REACTIVITY:

STABILITY.....: Very Stable in almost all conditions. No unstable ` conditions have been determined.

HAZARDOUS POLYMERIZATION.....: Polymerization cannot occur under any conditions.

INCOMPATIBILITIES.....: Strong bases, Strong Acids. Hydrofluoric Acid.

INSTABILITY CONDITIONS.....: Not Determined

DECOMPOSITION PRODUCTS.....: Not Determined

Continued on page 5

11. TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY

ORAL LD50.....: Not Established

DERMAL LD50.....: Not Established

INHALATION LC50...: Not Established

EYE EFFECTS.....: Irritation and redness.

SKIN EFFECTS.....: Drying and cracking of the skin.

SENSITIZATION.....: None observed.

OTHER ACUTE EFFECTS: Not Determined

OTHER TOXICITY DATA.....: None

12. ECOLOGICAL INFORMATION:

NO ECOLOGICAL INFORMATION AVAILABLE

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD.....: Waste must be disposed of in accordance with federal, state and local environmental control regulations. Incineration is the preferred method. If incinerated, toxic and corrosive combustion gases must be properly handled.

14. TRANSPORTATION INFORMATION:

TECHNICAL SHIPPING NAME.....: Not regulated by this mode of transportation.

FREIGHT CLASS BULK.....: Not Required

FREIGHT CLASS PACKAGE.....: Not Required

PRODUCT LABEL.....: Silica aggregate

DOT (DOMESTIC SURFACE)

PROPER SHIPPING NAME.....: Portland cement is not hazardous under DOT regulations.

HAZARD CLASS OR DIVISION.....: Not Required

UN/NA NUMBER.....: Not Required

PACKING GROUP.....: Not Required

DOT PRODUCT RQ lbs (kgs).....: Not Established

HAZARD LABEL(s).....: Not Required

HAZARD PLACARD(s).....: Not Required

14. TRANSPORTATION INFORMATION: (Continued)IMO / IMDG CODE (OCEAN)

HAZARD CLASS DIVISION NUMBER.....: Not Regulated

ICAO / IATA (AIR)

HAZARD CLASS DIVISION NUMBER.....: Not Regulated

15. REGULATORY INFORMATION:

OSHA STATUS.....: Portland cement is considered a hazardous chemical under this regulation and should be included in the employer's hazard communication program.

TSCA STATUS.....: Some substances in Portland cement are on the TSCA inventory list.

CERCLA REPORTABLE QUANTITY...: Not listed.

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES...: Not Regulated

SECTION 311/312

HAZARD CATEGORIES.....: Portland cement qualifies as a hazardous substance with delayed health effects.

SECTION 313

TOXIC CHEMICALS.....: Not subject to reporting requirements under Section 313.

RCRA STATUS.....: Not Regulated

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

COMPONENT NAME & CAS NUMBER	CONCENTRATION	STATE CODE
-----------------------------	---------------	------------

CALIFORNIA PROPOSITION 65

This product contains no substances known to the State of California to cause cancer, birth defects or other reproductive harm.

MASSACHUSETTS SUBSTANCE LIST (MSL)

Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. To the best of our knowledge, this product contains no substances at a level which could require reporting under the statute.

Continued on page 7

16. OTHER INFORMATION:

HMIS RATINGS: Health Flammability Reactivity

1 0 0

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

*=Chronic Health Hazard

VOLTERRA's method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS ratings are provided by VOLTERRA as a customer service.

REASON FOR ISSUE.....: 1st Issue

PREPARED BY.....: A.D. Skelhorn.

ISSUE DATE.....: 12/28/2004

SUPERSEDES DATE.....: N/A

MSDS NUMBER.: VAP#0004

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of VOLTERRA. The data on this sheet relates only to the specific material designated herein. VOLTERRA assumes no legal responsibility for use or reliance upon this data.

Product Code: VAP#0004

Approval date: 12/28/2004

Last Page