

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)
EMSER- LIMESTONE NATURAL STONE

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's name EMSER TILE	Emergency Telephone Number 323.650.2000
Address (Number, Street, City, State and ZIP Code) 8431 Santa Monica Blvd Los Angeles, CA 90069	Telephone Number for Information 323.650.2000
	Date Prepared 6/25/10
	Signature of Preparer (optional)

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Calcium Carbonate	N/A/%CaCO3	10mg/m3	N/A	N/A
Calcium Oxide	N/A / % CaO	2mg/m3	N/A	N/A
Crystalline Silica	N/A/%SiO2	.05mg/m3	N/A	N/A
Magnesium Oxide	N/A/%MgO	10mg/m3	N/A	N/A
Aluminum Oxide	N/A/%Al2O3	10mg/m3	N/A	N/A

Section III—Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	2.3-2.75
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	INSOLUBLE		
Appearance and Odor	MICRO GRANULATE INORGANIC COMPOUND / VARIOUS COLORS / ODORLESS		

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	N/A	UEL	N/A
Extinguishing Media	N/A						
Special Fire Fighting Procedures	N/A						
	NON-FLAMMABLE						
Unusual Fire and Explosion Hazards	N/A						

(Reproduce locally)

OSHA 174

Section V—Reactivity Data

Stability	Unstable	NO	Conditions to Avoid
STABLE IN CURRENT FROM	Stable	YES	AVOID CONTACT WITH ACIDS
Incompatibility (Materials to Avoid)	AVOID CONTACT WITH ACIDS, FLOURINE, BORON TRIFLOURIDE CHLORINE TRIFLOURIDE, MANGENESE TRIFLOURIDE, OXYGEN DI FLOURIDE		
Hazardous Decomposition or Byproducts	THESE PRODUCTS DO NOT RELEASE HAZARDOUS MATERIALS UNDER NORMAL CONDITIONS. WILL RELEASE SILICON TETRA FLOURIDE WHEN EXPOSED TO HYDROFLOURIC ACID		
Hazardous Polymerization	May Occur	NO	Conditions to Avoid
Not known to polymerize	Will Not Occur	YES	ACIDS, ALUM, AMMONIUM SALTS, MAGNESIUM

Section VI—Health Hazard Data

Route(s) of Entry Inhalation? **YES** Skin? **YES** Ingestion? **NO**

Health Hazards (*Acute and Chronic*)

**ACUTE- EXCESSIVE EXPOSURE TO DUST CAN IRRITATE SKIN, EYES, OR LUNGS. INGESTION N/A FOR STABLE TILE
CHRONIC- N/A FOR STABLE TILE. LONG TERM EXPOSURE TO SILICA DUST MAY RESULT IN SILICOSIS OR OTHER AIRWAY
DISEASES AS WELL AS OTHER ADVERSE HEALTH EFFECTS.**

Carcinogenicity NTP? **YES** IARC Monographs? **YES** OSHA Regulated? **YES**

Signs and Symptoms of Exposure

**EXCESSIVE EXPOSURE TO SILICA DUST MAY CAUSE EYE, SKIN, AND LUNG IRRITATION AS WELL AS TROUBLE
BREATHING, AND EARLY FATIGUE**

Medical Conditions Generally Aggravated by Exposure

EXISTING LUNG CONDITIONS

Emergency and First Aid Procedures

**EYES- FLUSH WITH WATER OR USE EYE WASHING STATION, SKIN- WASH THOUROUGHLY WITH CLEAN WATER,
INHALATION-MOVE TO FRESH AIR OR VENTILATED SPACE/ RESPIRATOR MAY BE NECESSARY IF BREATHING HAS
STOPPED/ SEEK MEDICAL ATTENTION, INGESTION- NOT APPLICABLE**

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

**WET CUTTING, GRINDING AND SANDING METHODS REDUCE DUST GENERATION. RESPIRATORY PROTECTION IS NEEDED
TO PREVENT INHALATION. PROPER EYE PROTECTION REQUIRED**

Waste Disposal Method

FOLLOW FEDERAL, STATE, AND/OR LOCAL REGULATIONS FOR DISPOSING OF CONSTRUCTION MATERIALS

Precautions to Be Taken in Handling and Storing

AVOID CONTACT WITH ACIDS

Other Precautions

**SAFETY GLASSES, GLOVES AND OTHER PERSONAL PROTECTION SHOULD BE WORN TO PROTECT AGAINST SHARP
EDGES WHEN CUTTING**

Section VIII—Control Measures

Respiratory Protection (*Specify Type*) **USE NIOSH/MSHA APPROVED RESPIRATOR**

Ventilation	Local Exhaust CUT TILE IN WELL VENTILATED AREA	Special N/A
	Mechanical (<i>General</i>) CUT TILE IN WELL VENTILATED AREA	Other N/A

Protective Gloves **COTTON,LEATHER, OR OTHER MATERIAL
CAN BE WORN FOR PERSONAL PROTECTION OF SKIN**

Eye Protection **GOGGLES OR SAFETY GLASSES**

Other Protective Clothing or Equipment **PERSONAL PROTECTIVE CLOTHING IS BASED ON GENERAL RECOMMENDATIONS. KEEP
SKIN AND CLOTHING, SEEK PROFESSIONAL ASSISTANCE IN SPECIAL CIRCUMSTANCES**

Section IX— Regulatory Section

Title 22 Division 2 California Code of Regulation Proposition 65- **This product contains components known to the state of California to
cause cancer and reproductive toxicity.**

ACGIH- American Conference of Governmental Industrial Hygenists -**List respirable Crystalline Silica as a suspected carcinogen (A-2)**

TSCA - Toxic Substance Control Act- **This product is listed under TSCA and is subject to applicable provisions and restrictions under
TSCA 40 CFR Section 710.4 (b)**

CEPA- Canadian Environmental Protection Act (CEPA)— **Crystalline Silica in the form of Quartz appears on the Domestic Substance List
(DSL)**
