

# MATERIAL SAFETY DATA SHEET

Effective Date: 11-01-96

Replaces: 02-08-93

1- IDENTIFICATION		
CHEMICAL NAME Marble	CHEMICAL FORMULA CaCO <sub>3</sub>	MOLECULAR WEIGHT N/A
TRADE NAME Marble		
SYNONYMS		DOT IDENTIFICATION NO. N/A

2- PRODUCT AND COMPONENT DATA			
COMPONENT(S) CHEMICAL NAME Calcium Carbonate No asbestos and <1% crystalline silica	CAS REGISTRY NO. 1317-65-3	% (APPROX.) 100%	EXPOSURE LIMITS See Section 6

3 - PHYSICAL DATA	
APPEARANCE AND ODOR Odorless, Hygroscopic powder, crystals or solid	SPECIFIC GRAVITY 2.710
BOILING POINT (At 1 Atm): N/A	VAPOR DENSITY IN AIR (Air = 1) N/A
VAPOR PRESSURE (mm Hg @ 20EC)	% VOLATILE, BY VOLUME (@100E F) N/A
EVAPORATION RATE (at 1 Atm, and 25EC; n-butyl acetate = 1)	SOLUBILITY IN WATER 0.00

4 - REACTIVITY DATA	
STABILITY Stable	CONDITIONS TO AVOID Contact with Flourine may cause violent reaction or ignition
INCOMPATIBILITY (Materials to avoid) Acids - contact may release Carbon Dioxide gas Magnesium - mixture may explode when heated in a stream of hydrogen gas.	
HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition products may include corrosive Calcium Oxide and toxic Oxides of Carbon.	

## 5 - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (Method used)  
N/A

FLAMMABLE LIMITS IN AIR  
N/A

EXTINGUISHING AGENTS  
None Required

UNUSUAL FIRE AND EXPLOSION HAZARDS NFPA 1, 0, 0;  
Contact with Flourine may cause violent reaction or ignition

## 6 - TOXICITY AND FIRST AID

EXPOSURE LIMITS(When exposure to this product and other chemicals is concurrent, the exposure limit must be defined in the workplace).

Unless specified otherwise, limits are expressed as eight-hour time-weighted averages (TWA). Limits for cristobalite and tridymite (other forms of crystalline silica) are equal to one-half of the limits for quartz.

**ABBREVIATIONS:** TLV = threshold limit value of the American Conference of Governmental Industrial Hygienists (ACGIH); MSHA PEL = permissible exposure limit of the Mine Safety and Health Administration (MSHA); OSHA PEL = permissible exposure limit of the Occupational Safety and Health Administration (OSHA); mg/m<sup>3</sup> = milligrams of substance per cubic meter of air.

OSHA 8hrs TWA 15 mg/m<sup>3</sup>; 5 mg/m<sup>3</sup> respirable fraction  
ACGIH TCV = 10 mg/m<sup>3</sup>  
MSHA = Nuisance Dust

ACGIH, MSHA, and OSHA have determined that adverse effects are not likely to occur in the workplace provided exposure levels do not exceed the appropriate TLVs/PELs. However, because of the wide variation in individual susceptibility, lower exposure limits may be appropriate for some individuals including persons with pre-existing medical conditions such as those described below.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE  
No data available

PRIMARY ROUTE(S) OF EXPOSURE                      X Inhalation                      Skin                      Ingestion

### ACUTE TOXICITY

**EYE CONTACT:** Irritant; repeated or prolonged exposure may cause conjunctivitis

**SKIN CONTACT:** No symptoms reported

**SKIN ABSORPTION:** N/A

**INGESTION:** May cause gastric irritation with belching, occasional nausea, constipation or diarrhea.

**INHALATION:** Sneezing, slight irritation of nose, watering of eyes, inflammation of conjunctiva

### FIRST AID

**EYES:** Flush with water for 20 minutes

**SKIN:** Wash with soap and water

**INGESTION:** Seek medical attention; if vomiting, keep head lower than hips to prevent aspiration; ingestion of more than 8 grams (α ounce) a day can cause blood and kidney disorders.

**INHALATION:** Provide fresh air; treat symptomatically and supportively.

**CHRONIC TOXICITY**

Repeated and prolonged exposure to irritants may cause conjunctivitis.

Prolonged ingestion may cause hypercalcemia with slight to moderate metabolic alkalosis, hypophosphatemia, calcinosis or azotemia particularly in the presence of reduced renal function.

**7 - PERSONAL PROTECTION CONTROLS**

**RESPIRATORY PROTECTION**

NIOSH - MSHA - OSHA approved dust respirators

**VENTILATION**

Local exhaust required to maintain exposure below TLV

**SKIN PROTECTION**

See "Hygiene" section below.

**EYE PROTECTION**

Safety glasses with side shields

**HYGIENE**

Wash dust-exposed skin with soap and water before eating, drinking, smoking, and using toilet facilities. Wash work clothes after each use. Use appropriate protective gloves to prevent contact with substance.

**OTHER CONTROL MEASURES**

Respirable dust and quartz levels should be monitored regularly. Dust and quartz levels in excess of appropriate exposure limits should be reduced by all feasible engineering controls, including (but not limited to) wet suppression ventilation, process enclosure, and enclosed employee work stations.

## 8- STORAGE AND HANDLING PRECAUTIONS

Prevent dispersion of dust in air.  
Stay away from incompatible substances  
Store in cool, dry place

## 9 - SPILL, LEAK, AND DISPOSAL PRACTICES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

The personal protection and controls identified in Section 7 of this MSDS should be applied as appropriate.

Spilled materials, where dust can be generated, may cause cleanup personnel to exceed the TLV or PEL dust. Wetting of spilled material and/or use of respiratory protective equipment may be necessary. Do not dry sweep spilled material.

None of the components in this product are subject to the reporting requirements of Title III of SARA, 1986 and 40 CFR 372.

### WASTE DISPOSAL METHOD

Pickup and reuse clean materials. Dispose of waste materials only in accordance with applicable federal, state, and local laws and regulations.

## 10 - TRANSPORTATION

### DOT HAZARD CLASSIFICATION

None

### PLACARD REQUIRED

None

### LABEL REQUIRED

Label as required by the OSHA Hazard Communication standard [29 CFR 110.1200 (f)] and applicable state and local laws and regulations.

### For Further Information

### Contact:

LUCK STONE CORPORATION  
P. O. Box 29682  
Richmond, VA 23242  
804-784-6300  
8 AM - 5 PM Eastern Time  
Monday through Friday

**Notice:** Luck Stone Corporation believes that the information contained on this Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all-inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with nor followed in violation of applicable laws, regulation, rules or insurance requirements.

**NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.**