

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)
Paris White Whiting

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

Supplier's name Museum Services Corporation	Emergency Telephone Number 651-450-8954
Address (Number, Street, City, State and ZIP Code) 385 Bridgepoint Way South Saint Paul, MN 55075	Telephone Number for Information 651-450-8954
	Date Prepared 2/24/2020
	Signature of Preparer (optional)

Section II—Hazardous Identification

Hazard Classification of the Chemical:

Specific Target Organ Toxicity - Repeated Exposure, Category 1

Signal Word: Danger

Hazard Statement: May cause eye irritation. May cause cancer if inhaled. Causes damage to organs through prolonged or repeated exposure.



Pictogram:

Precautionary Statements:

Prevention: Wear eye protection. Avoid breathing dust. Wear respiratory protection (in case of inadequate ventilation).

Response:

IF ON SKIN: Rinse with water.

IF IN EYES: Rinse with water, seek medical attention if discomfort continues.

IF INHALED: Move the exposed person to fresh air, keep at rest and comfortable.

IF SWALLOWED: Rinse mouth.

Storage: Keep product dry.

Disposal: Generally inert. Dispose in accordance with regulations.

Section III—Composition/Information on Ingredients

Common Chemical Name: Limestone

Synonyms: Calcium Carbonate; Whiting

CAS Number: 1317-65-3

Limestone is a natural occurring mineral substance consisting primarily of calcium carbonate with lesser amounts of dolomite together with many other ingredients in small but varying amounts.

Component	CASRN	Concentration
Calcium Carbonate	471-34-1	97-99%
Magnesium Carbonate	546-93-0	0.5-1.5%
Crystalline Silica	14808-60-7	0.01-0.4%

Section IV—First Aid Measures

Eye Contact: Do not rub eyes. Contact with dust may cause irritation by mechanical abrasion. Irrigate eyes immediately with clean water. Obtain medical attention of necessary.

Skin Contact: Wash skin with soap and water.

Ingestion: If significant – obtain medical attention. Do not induce vomiting.

Inhalation: Dust may irritate the nose, throat and respiratory tract by mechanical abrasion. Coughing, sneezing and shortness of breath may occur following exposures in excess of appropriate exposure limits. Move to fresh air. If breathing is difficult give oxygen and seek medical attention.

Physician: Treat symptomatically.

Section V—Fire and Explosion Hazard Data

Suitable extinguishing media: Non-flammable.
Extinguishing media to avoid: No specific information.
Hazards of concern: No specific information.
Advice for fire fighters: Standard personal protective equipment.

Section VI—Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use adequate ventilation or dust mask approved by NIOSH. Wear adequate eye protection..

Environmental precautions: No special emergency procedures, use adequate ventilation.

Methods and materials for containment and cleaning up: Contain and cover spill to minimize dust emission. Clean up by sweeping, shoveling, vacuuming, or flushing with water. Generally inert. Dispose in accordance with regulations – or recycle and use beneficially in other applications.

Section VII—Handling and Storage

Precautions for safe handling: Use adequate ventilation and/or dust mask approved by NIOSH. Wear adequate eye protection. Exposed skin may become dry and irritated with prolonged contact. Avoid contact with food and ingestion.

Conditions for safe storage: Keep product dry. Do not store with acids or oxidizing agents. Provide proper ventilation when handling this material to minimize dust.

Section VIII—Exposure Control /Personal Protection

Limestone is not a carcinogen listed by ACGIH, MSHA, OSHA, NTP, DFG, RSST or IARC. However, crystalline silica may be trace amounts at or above detection levels (<0.1%). Occurrence is dependent upon the stone source, process and specific application. Two ranges are disclosed for (T) Total Dust and (R) Respirable Dust.

Evaluate degree of exposure and use PPE as necessary.

Wash dust-exposed skin with soap and water before eating, drinking, smoking and using toilet facilities. Wash work clothes after each use.

Compound	Exposure Limit (mg/m)			
	OSHA PEL (TWA) 8/40h (mg/m3)	ACGIH TLV (TWA) 8/40h (mg/m3)	MSHA/PEL (TWA) 8/40h (mg/m3)	NIOSH REL (TWA) 8/40h (mg/m3)
Calcium Carbonate (CaCO3)	T=15 R=5	TLV Withdrawn	T=15 R=5	T=15 R=5
Crystalline Silica (1)	T= 30 (%SiO2)+2 R=10/(%SiO2)+2	R = 0.025	T= 30 (%SiO2)+2 R=10/(%SiO2)+2	R = 0.05 (free silica)

Engineering Controls: Ensure that eye wash stations are close to the workplace location.

Ventilation measures: Local exhaust or ventilation adequate to reduce exposures below appropriate limits. Follow OSHA respirator guidelines found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Protective Gloves: No special requirements. Wear gloves to protect skin.

Eye Protection: ANSI, CSA or ATM approved glasses or goggles. Dust goggles should be worn if excessive emissions are present and when wearing contact lenses.

Section IX—Physical and Chemical Properties

Appearance and odor: Off white granular or white powder

Upper/lower flammability or explosive limits: Non-flammable, Non-explosive

Odor: Negligible

Vapor pressure: NA

Odor threshold: NA
Vapor density: NA
pH: 8.5 – 9.5 at 10% solids
Relative density: 55-95 lb/ft³
Melting point: Decomposes @ 1799° Fahrenheit
Freezing Point: NA
Solubility in water: Negligible
Boiling point: NA
Flash point: NA
Evaporation rate: NA
Flammability: Not flammable
Partition coefficient: NA
Auto-ignition temperature: NA
Decomposition temperature: 825° C
Viscosity: NA

Section X—Stability and Reactivity

Reactivity: Reacts with acid to form Carbon Dioxide (CO₂).

Stability: Stable under normal conditions.

Hazardous: Calcium oxide will form at high sustained temperatures.

Incompatibility: Avoid contact with powerful oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride and oxygen difluoride may cause fire and/or explosions. Silica dissolves readily in hydrofluoric acid producing a corrosive gas – silicon tetrafluoride.

Decomposition: Limestone ignites on contact with fluorine and is incompatible with acids, alum, ammonium salts and magnesium. Silica reacts violently with powerful oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride and oxygen difluoride yielding possible fire and/or explosions. Silica dissolves readily in hydrofluoric acid producing a corrosive gas – silicon tetrafluoride.

Section XI—Toxicological Information

Toxicological information appears in this section when such data is available.

Acute: Routes of entry – Skin Contact; Eye Contact; Inhalation; Ingestion

Skin: May dry and irritate skin and mucus membranes:

Eyes: Eye irritation with possible discomfort or pain, local redness and swelling of the conjunctiva.

Inhalation: Harmful if inhaled. May cause respiratory tract irritation/inflammation. Exposure may cause coughing and sneezing. Large amounts may cause chemical pneumonitis.

Ingestion: May cause gastro-intestinal irritation. If ingested in large quantities may cause nausea, constipation and hypocalcaemia and hemorrhage.

Sensitization: No sensitizing effect known.

Chronic: No signs or symptoms of chronic exposure of limestone have been reported. This product may contain trace amounts of Crystalline Silica.

Excessive inhalation of respirable Crystalline Silica dust may result in respiratory disease, including silicosis, pneumoconiosis and pulmonary fibrosis.

Carcinogenicity: Limestone is not a carcinogen listed by ACGIH, MSHA, OSHA, NTP, DFG, RSST or IARC. Limestone may contain trace amounts of Crystalline Silica which is listed by these organizations as a carcinogen.

NTP lists respirable Crystalline Silica as known to be human carcinogens based on sufficient evidence of carcinogenicity in humans.

IARC classifies Crystalline Silica as (Group 1) carcinogenic to humans if inhaled in the form of quartz or cristobalite from occupational sources.

NIOSH considers Crystalline Silica to be a potential occupational carcinogen as defined by the OSHA carcinogen policy (29 CFR 1910.1000).

California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) regulated respirable Crystalline Silica.

ACGIH list respirable Crystalline Silica (quartz) as suspected human carcinogen (A-2).

RSST lists respirable Crystalline Silica (quartz) as suspected human carcinogen.

Section XII—Ecological Information

Toxicity:

Aquatic toxicity foreseeable as nonrelevant.

Persistence and degradability: No relevant information available.

Ecological information: Non-biodegradable but soluble in weak acid.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional information: Product generally considered non hazardous as a water pollutant.

PBT and vPvB assessment: Not applicable.

Marine pollutant: Not classified.

Other adverse effects: No further relevant information available.

Section XIII—Disposal Considerations

Spillage generating dust may expose cleanup personnel to respirable crystalline silica. Wetting of spilled material and/or use of respiratory protective equipment may be necessary. Do not dry sweep spilled material without PPE. Prevent spilled materials from inadvertently entering streams, drains or sewers.

Section XIV—Transport Information

DOT - This product is not regulated.

Classification for SEA transport (IMO-IMDG): This product is not regulated.

Classification for AIR transport (IATA/ICAO): This product is not regulated.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section XV—Regulatory Information

State: Consult local and state hazard communication regulations.

Federal: FDA: 21 CFR 175.105; 21 CFR 175.300; 21 CFR 176.170; 21 CFR 176.180; 21 CFR 177.1210; 21 CFR 178.3297; 40 CFR 180.1011:©

TSCA/DSL: Listed under CAS 1317-65-3 Exempt from DSL as naturally occurring.

CONEG: Materials used to manufacture packaging are CONEG compliant.

CWA: Not considered to be a water pollutant.

WASTE: Waste is not subject to RCRA and acceptable at landfills as a "solid waste". Product can often be beneficially reused or recycled for other purposes.

SPILLS: Sweep up spillage in dry form where possible

OSHA: Labeling required under OSHA Hazard Communication Standard (29 CFR 1910.1200 (f) and other applicable state and local laws and regulations.

PROP 65: WARNING: This product MAY contain chemical(s) known to the state of California to cause cancer.

NAFTA: Product qualifies under HS Tariff No 2521.00 as 100% US Origin, Preference Criteria A.

EU Directive: Not classified as hazardous for supply (1999/45/EC).

SARA304: NO

SARA311: YES**

SARA312: possibly

SARA313: NO

NJRTK: YES

CAPROP65: YES

CANDSL: YES

EINECS: YES

RCRA: NO

Additional Information: **SARA311: listed. ACGIH TLV assigned.

Section XVI—Other Information

Revision

Version: 1.0

Information Source and References

This SDS is from information supplied by internal references within our company.

Museum Services Corporation urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that their activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer specific SDSs, we are not and cannot be responsible for (M)SDSs obtained from any other sources. If you have obtained an SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.