

SAFETY DATA SHEET

Section 1. Product Identification

Product Name: Limestone flour, Limestone Separator Sand, Mineral Filler Limestone

Other means of identification

SDS number: JAJ 1001

Synonyms: Calcium Carbonate
Recommended use: Filler or pigment

Recommended Restrictions: Use in accordance with manufacturer's recommendations.

Manufacturer/Importer/Supplier/Distributor information

Company name: J.A. Jack and Sons, Inc, dba Arcosa Specialty Materials

Address: 5427 Ohio Avenue, South

Seattle, WA 98134

Telephone: (206) 762-7622

Website: www. ArcosaSpecialtyMaterials.com

Emergency phone number: 1-800-624-5963

Section 2. Hazard(s) Identification

Emergency Overview: These products are not flammable, combustible, or explosive. They do not cause burns or

severe skin or skin irritation. A single exposure will not result in serious adverse health effect. Prolonged contact with any of these products may result in abrasions to the skin or irritation

of the eyes. Prolonged inhalation of the dust may irritate the respiratory tract.

Physical hazards: Not classified Health Hazards: Not classified

Acute:

Eyes: May cause mechanical irritation of eyes in rare cases. If burning, redness, itching, pain or

other symptoms persist or develop, consult physician. Eye irritation Category 2, subcategory

2B

Skin: Prolonged contact with the skin may cause irritation. Rubbing of this product against the skin

can result in abrasion. Rinse with water until free of material to avoid abrasion, wash skin

thoroughly with mild soap and water. May dry skin. Mild skin irritation Category B.

Inhalation: Inhalation prolonged and repeated exposure to respirable crystalline silica can result in lung

disease (i.e. silicosis) and lung cancer. Silicosis increases the risk of tuberculosis. Studies have shown various autoimmune and chronic kidney diseases in workers exposed to respirable crystalline silica. Some studies show and increased incidence of chronic

bronchitis and emphysema in workers exposed to crystalline silica.

Chronic: Limestone displays no specific toxic properties. Inhalation prolonged and repeated exposure

to respirable crystalline silica can result in lung disease (i.e. silicosis) and lung cancer. Silicosis increases the risk of tuberculosis. Studies have shown various autoimmune and chronic kidney diseases in workers exposed to respirable crystalline silica. Some studies show and increased incidence of chronic bronchitis and emphysema in workers exposed to

crystalline silica.

Environmental hazards: Not Classified

OSHA defined hazards: Not Classified

GHS Classification Category 1A

Carcinogenicity:

SDS ID: JAJ 1001 Revision date: 5/24/2024 Page **1** of **7**



Label elements:

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Signal word: Danger

Hazard statement: Causes eye and skin irritation. May cause allergy or asthma symptoms or breathing

difficulties if inhaled.

Precautionary statement:

Prevention: Wash hands thoroughly after handling. Wear protective gloves. Avoid breathing dust. Wear

respiratory protection.

Response: If eye irritation persists, if skin irritation occurs, or if experiencing respiratory symptoms: Get

medical advice/attention.

Storage: Store as indicated in Section 7.

Disposal: Dispose of in accordance with local, state, and federal regulations.

Potential Health Effects Group 1: Carcinogenic to humans – Quartz (SiO2) CAS# 14808-60-7

Carcinogenicity IARC:

NPT: The NPT report on carcinogens lists crystalline silica (respirable size – passing 10

microns) as a known human carcinogen. Respirable particles in these products is not

anticipated.

Section 3. Composition/Information on Ingredients					
Substance / Mixture: Substance					
Chemical name: CAS number %					
Limestone	1317-65-3	98-100			
Silicon Dioxide (Crystalline Silica)	14808-60-7	>0.1%			

The specific identity and/or exact concentration has been withheld as a trade secret.

Section 4. First-Aid Measure	es			
Inhalation:	If irritation develops, remove to fresh air. Get medical attention if irritation persists.			
Skin:	First aid is not normally required. Wash skin with soap and water. Get medical attention if			
	irritation develops or persists. Remove contaminated clothing and launder before reuse.			
Eye contact:	: Flush with plenty of water, holding the eyelids apart to ensure through washing. Get medical			
	attention if irritation persists.			
Ingestion:	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical			
_	personnel. Get medical attention if large amount is swallowed.			
Most Important	Long exposure to casual dust may cause mechanical eye and skin irritation. Inhalation of			
symptoms/effects, acute	dust may cause respiratory irritation, coughing and difficulty in breathing.			
and delayed:				
Indication of Immediate	None required under normal conditions of use.			
medical attention and				
special treatment needed:				

SDS ID: JAJ 1001 Revision date: 5/24/2024 Page **2** of **7**



Section 5. Fire and Explosion Hazard Data				
Flash Point: Non-Flammable				
Suitable (and unsuitable) extinguishing Use media appropriate for the surrounding fire.				
media:	media:			
Specific hazards arising from the	Not flammable or combustible.			
chemical:				
Special protective equipment and	and Firefighters should wear positive pressure self-contained breathing			
precautions for fire-fighters:	apparatus and full protective clothing.			

Section 6. Accidental Release Measures				
Personal precautions, protective Wear appropriate protective equipment. Avoid creating and breathing dus				
equipment, and emergency				
procedures				
Environmental hazards	Report releases as required by local and federal authorities.			
Methods and materials for containment and cleaning up:	Collect and place in appropriate container for use or disposal.			

Section 7. Handling and Storage				
Environmental	No special environmental precautions required.			
precautions:				
Precautions for safe	Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wear protective clothing			
handling:	and equipment as described in Section 8. Wash with soap and water after use.			
Conditions for safe	Store in a cool, dry, well-ventilated area. Protect from physical damage. Do not store near			
storage, including any incompatibilities:	acids.			

Section 8. Exposure Controls/Personal Protection			
Exposure guidelines:			
Limestone – CAS # - 1317-65-3	5 mg/m3 TWA OSHA PEL (respirable) 10 mg/m3 TWA OSHA PEL (total dust)		
Crystalline Silica – CAS # - 14808-60-7	10 mg/m3 TWA OSHA PEL (respirable fraction) % Silica + 2		
	30 mg/m3 TWA OSHA PEL (total dust) % Silica + 2		
	0.025 mg/m3 TWA ACGIH TLV (respirable fraction)		
Appropriate engineering controls			
Engineering Controls:	Use with adequate general or local exhaust ventilation to maintain exposures below the occupational exposure limits.		
Individual protection measures, such as personal protective equipment:			
Respiratory protection:	: If the exposure limits are exceeded a NIOSH approved particulate respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 or other applicable regulations and good industrial hygiene practice.		
Skin protection:	n: Abrasive resistant gloves are recommended if needed to avoid skin contact.		
Eye protection:	Eye protection: Chemical safety glasses with side-shields are recommended.		

SDS ID: JAJ 1001 Revision date: 5/24/2024 Page **3** of **7**



Hygiene measures: Follow general industrial hygiene practices.

Other: None required.

Section 9. Physical and Chemical Properties				
Appearance White Powder				
Odor	Odorless			
Reactive	Will react with most acid to release heat and carbon dioxide gas			
	until neutral pH is restored.			
Odor threshold: Not applicable	pH: Not applicable			
Melting Point/Freezing Point: 2372°F /1300°C	Boiling point: Not applicable			
Flash point: Not applicable	Evaporation rate: Not applicable			

UEL: Not applicable

Vapor density: Not applicable

Solubility in Water: 0.0006%

Auto-ignition temperature: Not applicable

Flash point: Not applicable Flammability (solid, gas):

Flammable limits: LEL: Not applicable Vapor pressure: Not applicable Relative density: 87-107 lb./ft³

Partition coefficient: n-octanol/water: Not

applicable

Decomposition Temperature: over 1112°F / 600°C Viscosity: Not applicable

Section 10. Chemical Stability and Reactivity			
Reactivity: Reacts with acids.			
Chemical stability: Stable under normal conditions.			
Possibility of hazardous reactions: Reacts with acids to form carbon dioxide and heat.			
Conditions to avoid: None known			
Incompatible materials: Avoid acids, alum, ammonium salts, mercury and heat, fluorine and magnesiu			
Hazardous decomposition Thermal decomposition may produce oxides of carbon and calcium. This			
products: displaces the oxygen in the air in enclosed spaces (danger of suffocation).			

	Section 11. Toxicological Information		
Likely routes of exposure			
Inhalation:	: Inhalation of dust may cause irritation to the nose, throat and upper respiratory tract		
	with coughing and shortness of breath.		
Ingestion:	: Not expected to cause adverse effects.		
Skin contact:	Prolonged skin contact may cause mechanical irritation and abrasions.		
Eye contact:	May cause mechanical irritation with redness, tearing and pain.		
Chronic effects:	: None known		
Germ Cell Mutagenicity:	This product is not expected to cause germ cell mutagenicity.		
Developmental / Reproductive	This product is not expected to cause adverse effects on reproduction or		
Toxicity:	development.		
Carcinogenicity:	Crystalline silica quartz is listed as "Carcinogenic to Humans" (Group 1) by IARC and "Known to be a Human Carcinogen" by NTP. The crystalline silica in this product is inextricably bound in large grains that no exposure occurs during normal use and handling. Therefore this product is not classified as a carcinogen. None of the other components are listed as a carcinogen by IARC, NTP or OSHA.		

Acute Toxicity Values:

Limestone: Oral rat LD50 >5000 mg/kg
Crystalline Silica, Quartz: Oral rat LD50 >5000 mg/kg

SDS ID: JAJ 1001 Revision date: 5/24/2024 Page **4** of **7**



Section 12. Ecological Information

Ecotoxicity In solid state, these minerals are a major part of

In solid state, these minerals are a major part of the rocks of the earth's surface. They are dissolved in a natural state and indispensable part of the natural waters. These minerals are not biodegradable. Negative effects on the environment should therefore be excluded. Restrictions may be indicated that concentrated suspensions of these minerals in natural waters may have an unfavorable effect on water organisms (disturbance of the micro flora and fauna in the sediment and subsequent detriment to the existence of higher water organisms).

Product:

Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)): 10,000 mg/l Exposure time: 96 h
Toxicity to daphnia and	ED50 (Daphnia magna (Water flea)): >1,000 mg/l aquatic invertebrates
other	Exposure time: 48 h
Toxicity to algae	ED50 (Desmodesmus subspicatus (green algae)): >200 mg/l
, -	Exposure time: 72 h

Ingredients: Limestone:

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Persistence and degradability

Product:

Biodegradability Not applicable

Bio-accumulative potential

Ingredients:

Limestone: Partition coefficient: n-octanol/water - Not applicable.

Mobility in soil: No data available.

Other adverse effects

Product:

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone – CAA

Section 602 Class I Substances. This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt.

A, APP. A+B).

Ingredients: Limestone:

Results of PBT and vPvB: Non-classified PBT substance, Non-classified vPvB substance assessment.

Section 13 Disposal Considerations

Disposal procedure: Dispose in accordance with all local, state and federal regulations.

Section 14. Transport Information					
	UN Number Proper shipping name Hazard Class Packing Group Environmental Hazard				
DOT		Not Regulated			
TDG		Not Regulated			
IMDG		Not Regulated			

SDS ID: JAJ 1001 Revision date: 5/24/2024 Page **5** of **7**



IATA	Not Regulated		
	Not Regulated		

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):

Special precautions: None known.

Safety, health, and environmental regulations specific for the product in question.

	Section 15 Regulatory Information
CERCLA Section 103:	This product is not subject to CERCLA spill reporting requirements. Many states
	have more stringent release reporting requirements. Report spills required under
	federal, state and local regulations.
SARA Hazard Category (311/312):	Not hazardous
EPA SARA 313:	This Product Contains the Following Chemicals Subject to Annual Release
	Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None
US TSCA:	All of the components of this material are listed on the Toxic Substances Control
	Act (TSCA) Chemical Substances Inventory or are exempt.
Clean Air Act:	This product does not contain any hazardous air pollutants (HAP), as defined by
	the U.S. Clean Air Act Section 12 (40 CFR 61). This Product does not contain any
	chemicals listed under the U.S. Clean Air Act Section 112® for Accidental Release
	Prevention (40 CFR 68.130, Subpart F) This product does not contain any
	chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or
	Final VOC's (40 CFR 60.489.
Clean Water Act:	This product does not contain any Hazardous Substances listed under the U.S.
	Clean Water Act, Section 311, Table 116.4A This product does not contain any
	Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table
	117.3 This Product does not contain any toxic pollutants listed under the U.S. Clean
	Water Act Section 307.
California Proposition 65:	This product contains the following chemicals known to the State of California to
	cause cancer or reproductive toxicity:
	Crystalline Silica, quartz / 14808-60-7 / 0.1- 1.9% / Cancer

CANADA

Canadian CEPA: All of the components are listed on the Canadian DSL or are exempt

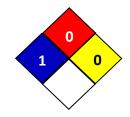
Canadian WHMIS: Not a controlled product

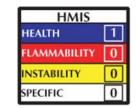
This product has been classified in accordance with the hazard criteria in the CPR and the MSDS contains all the information required by the CPR.

Section16 Other Information						
NFPA Rating:	Health = 1	Flammability = 0	Instability = 0			
HMIS Rating:	Health = 1	Flammability = 0	Physical Hazard = 0			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

NFPA ratings





SDS ID: JAJ 1001 Revision date: 5/24/2024 Page **6** of **7**



Disclaimer This information is provided without warranty. The information is believed to be correct. This

information should be used to make an independent determination of the methods to safeguard

workers and the environment.

SDS Revision History: All Section revised - Update to GHS format

Date of preparation: July 1, 2017

Date of last revision: May 24, 2024

SDS ID: JAJ 1001 Revision date: 5/24/2024 Page **7** of **7**