



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

Product	Jobe's Organics Garden Lime
Synonyms	High Calcium Limestone, Calcium Carbonate, Limestone
Chemical Name, Formula	Calcium Carbonate, CaCO ₃
Usage	Fertilizer
Supplier	Easy Gardener Products, Inc. P.O. Box 21025 Waco, TX 76702-1025
Supplier Phone Number:	Ph: 1-800-327-9462 Fx: 254-753-5372
Emergency Tel	800-327-9462 (USA)

2. HAZARDS IDENTIFICATION

Emergency Overview: Garden Lime is an odorless white, greyish-white, or tan material. Contact can cause irritation to eyes, skin, respiratory system, and gastrointestinal tract. Garden Lime reacts with acid to form CO₂.

Potential Health Effects

- Eyes:** Contact can cause irritation of eyes.
- Skin:** Contact can cause mild irritation of skin.
- Ingestion:** In large amounts, this material may cause gastrointestinal irritation or blockage.
- Inhalation:** This product can cause mild irritation of the respiratory system. Long-term exposure may cause permanent damage. Limestone is not listed by MSHA, OSHA, or IARC as a carcinogen. However, this product may contain trace amounts of crystalline silica in the form of quartz or cristobalite, which has been classified by IARC as a Group I carcinogen to humans when inhaled. Inhalation of silica can also cause a chronic lung disorder, silicosis.

Potential Environmental Effects: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Chemical Formula	Common Name	Concentration (%)	CAS
Calcium Carbonate	CaCO ₃	Limestone	> 95%	1317-65-3
Crystalline Silica	SiO ₂	Quartz	<2%	14808-60-7

(Crystalline Silica is reported as total silica and not just the respirable fraction)

4. FIRST AID MEASURES

- Skin Contact:** Brush off or remove as much dry limestone as possible. Wash exposed area with large amounts of water.
- Eye Contact:** Immediately flush eyes with generous amounts of water or eye wash solution if water is unavailable. Pull back eyelid while flushing to ensure that all limestone dust has been washed out. Seek medical attention promptly if the initial flushing of the eyes does not remove the irritant. Do not rub eyes.
- Ingestion:** Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth unless instructed to do so by medical personnel.
- Inhalation:** Move victim to fresh air. Seek medical attention.

If any discomfort persists after following the above advice seek immediate attention.

Medical conditions Aggravated by Exposure:

Contact may aggravate disorders of the eyes, skin, gastrointestinal tract, and respiratory system.

5. FIRE FIGHTING MEASURES

Fire Hazards: Limestone is not combustible or flammable. This product is not considered to be an explosion hazard, although reaction with incompatible materials, such as acids, may rupture containers.

Suitable Extinguishing Media: N/A

Fire Fighting Instructions: N/A

Hazardous Combustion Products: N/A

Special Protective Equipment For Fire Fighters: As in any fire, wear full protective clothing and self-contained breathing apparatus. Do not inhale explosion or combustion gases.

6. ACCIDENTAL RELEASE MEASURES

Spill / Leak Procedure: Use proper protective equipment.

Small Spills: Use dry methods to collect spilled materials. Avoid generating dust. Residue on surfaces may be water washed.

Large Spills: Use dry methods to collect spilled materials. Avoid generating dust. Residue on surfaces may be water washed.

Containment: Minimize dust generation and prevent bulk release to sewers or waterways.

Clean-Up: Normal housekeeping can be applied.

7. HANDLING AND STORAGE

Handling: Use routine safety measures to keep dust from coming into contact with eyes and avoid respiration.

Storage: Store in a cool, dry and well-ventilated location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	OSHA PEL, TWA 8/40h (mg/m ³)	ACGIH TLV, TWA 8/40h (mg/m ³)	NIOSH REL, TWA 8/40h (mg/m ³)	NIOSH IDLH (mg/m ³)
Calcium Carbonate	15 (total dust) 5 (respirable)	10	10 (total dust) 5 (respirable)	n/a
Crystalline Silica	10/(SiO ₂ % + 2) (respirable)	0.025 (respirable)	0.05 (respirable)	50

Engineering Controls: Provide ventilation adequate to maintain PEL's.

Respiratory Protection: Use NIOSH/MSHA approved respirators if airborne concentrations exceeds PEL's.

Eyes: Use safety glasses with side shields or safety goggles.

Skin: Use appropriate gloves and footwear to prevent skin contact and the potential for irritation. Clothing should fully cover arms and legs.

Other: Eye wash fountain/stations and emergency showers should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid

Color: White, grayish-white, or tan

Odor: Odorless

<u>Property</u>	<u>Values</u>
pH (25°C/77°F)	8-9
Melting / Freezing Point	n/a
Boiling Point / Boiling Range	n/a
Evaporation Rate	n/a
Vapor pressure (mm Hg)	n/a
Vapor density	n/a
Specific Gravity	2.6-2.9 g/cc
Water Solubility	Not readily soluble in water

10. STABILITY AND REACTIVITY

Chemical Stability: Chemically stable, but reacts vigorously with acids to form CO₂. Ignites on contact with Fluorine.

Hazardous Polymerization: Hazardous polymerization does not occur.

Hazardous Decomposition: Limestone decomposes at 950°C / 1742°F to produce calcium oxide and CO₂.

Incompatibility / Conditions to Avoid: Limestone should not be mixed or stored with the following materials, due to the potential for vigorous reaction and release of heat.

Fluorine	Ammonium Salts	Aluminum
Hydrogen	Magnesium	Acids

11. TOXICOLOGICAL INFORMATION

An LD50 of 6450 mg/kg (Rat, oral) has been identified for this product. Limestone is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product may contain trace amounts of crystalline silica, which has been classified by IARC as a carcinogenic to humans when inhaled in the form of quartz or cristobalite.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not expected to have any deleterious effects

Environmental Fate: This material shows no bioaccumulation effect or food chain concentration toxicity.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable federal, state, and local environmental regulations. If this product as supplied, and unmixed, becomes a waste, it will not meet the criteria of a hazardous waste as defined under the U.S. Resource Conservation and Recovery Act (RCRA).

14. TRANSPORT INFORMATION

Limestone is not classified as a hazardous material by US DOT and is not regulated by the Transportation of Dangerous Goods (TDG) when shipped by any mode of transport.

15. REGULATORY INFORMATION

U.S. EPA Regulations: RCRA Hazardous Waste Number (40 CFR 261.33): not listed
RCRA Hazardous Waste Classification (40 CFR 261): not classified
CERCLA Hazardous Substance (40 CFR 302.4): unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311(b)(4); CWA, Sec. 307(a), CAA, Sec. 112
CERCLA Reportable Quantity (RQ): not listed
SARA 311/312 Codes: not listed
SARA Toxic Chemical (40 CFR 372.65): not listed
SARA EHS (Extremely Hazardous Substance) (40 CFR 355): not listed, Threshold Planning Quantity (TPQ): not listed
All chemical ingredients are listed on the US EPA TSCA Inventory List.

OSHA/MSHA Regulations: Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): 5 mg/M³ TWA-8
MSHA: not listed
OSHA Specifically Regulated Substance (29 CFR 1910): not listed

State Regulations: Consult state and local authorities for guidance. Components found in this product may contain trace amounts of inherent naturally occurring elements (such as, but not limited to arsenic and cadmium) that may be regulated under California Proposition 65 and other state regulations.

Canada: WHMIS Classification: "D2A" Materials Causing Other Toxic Effects
Canada NDSL: Listed

16. OTHER INFORMATION

NFPA Hazard Class	Health: 1	Flammability: 0	Instability: 0	
HMIS Hazard Class	Health: 1	Flammability: 0	Physical Hazard: 0	Specific Hazard: ALK

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Revision Number: 2

The information in this Safety Data Sheet is believed to be correct at the time of going to press. Always read the label and product information before use. For further information, please contact Easy Gardener Products, Inc. PO Box 21025, Waco, Texas 76702.