

SAFETY DATA SHEET

Section 1. Product Identification

Product identifier	Limestone Aggregate, Ag Lime
Other means of identification	
SDS number	ACG 1000
Additional Products	Milled Rock Limestone, Rip Rap, 1 ½ Crusher Run Limestone, 1 ¼ Crusher Run Limestone
Synonyms	Calcium Carbonate
Recommended use	Agriculture Lime
Recommended Restrictions	Use in accordance with manufacturer's recommendations.
Manufacturer/Importer/Supplier/Distributor information	
Company name	ACG Materials
Address	1550 Double Drive Norman, OK 73069
Telephone	1-800-624-5963
Website	www.ACGmaterials.com
Emergency phone number	1-800-624-5963

Section 2. Hazard(s) Identification

Emergency Overview	This product is not flammable, combustible, or explosive. It does not cause burns or severe skin or eye irritation. A single exposure will not result in serious adverse health effect. Prolonged contact with the product 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. 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 of dusts from this product may irritate the nose, throat, lungs, and upper respiratory tract. Persons exposed to large amounts of this dust may be forced to leave area because of nuisance conditions such as coughing, sneezing, and nasal irritation. Labored breathing may occur after excessive inhalation. If respiratory symptoms persist, consult physician.
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

Label elements



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

Storage medical advice/attention.
 Store as indicated in Section 7.
Disposal Dispose of in accordance with local, state, and federal regulations.

Hazard(s) not otherwise classified (HNOC) None known.

Section 3. Composition/Information on Ingredients

Mixtures

Chemical name	CAS number	%
Limestone	1317-65-3	90<
Silicon Dioxide (Crystalline Silica)	14808-60-7	<0.025

Composition comments All concentrations are in percent by weight unless ingredient is a gas.

Section 4. First-Aid Measures

Eye contact If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Skin If on skin: Wash with plenty of water/mild soap and water. Specific treatment: see supplemental first aid instruction on label. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Inhalation If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.

Ingestion May cause temporary irritation of throat and stomach and gastrointestinal tract.

Most Important symptoms/effects, acute and delayed Under normal conditions of intended use, this product is not expected to be a health risk. Dust may irritate throat and respiratory system and cause coughing.

Indication of Immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically.

General information Ensure that medical personnel are aware of the material(s) involved.

Section 5. Fire and Explosion Hazard Data

Flash Point Non-combustible.

Auto Ignition Not applicable.

Flammable limit Not applicable.

Fire Extinguishing Media Use extinguishing media appropriate for surrounding fire.

Special Fire-fighting Procedures Wear proper personal protective equipment as listed in Section 8.

Hazardous combustion procedures Not applicable

Explosion Hazards None known.

Section 6. Accidental Release Measures

Methods and materials for containment and cleaning up Remove by dry sweeping or vacuum. Avoid creating excessive dust. It is recommended that gloves and a mask be worn while cleaning the spill. If already mixed with water, scrape up and place in container. Wear appropriate protective equipment as described in Sections 7 & 8.

Environmental Precautions Dispose of material in accordance with all applicable federal, state, and local regulations. Can be disposed as an inert solid in a landfill.

Section 7. Handling and Storage

Precautions for safe handling Avoid contact with skin and eyes. Do not breathe dust. Use only in well ventilated areas. Wear appropriate eye and respiratory protection, including a NIOSH approved dust mask, if dust is generated. When using, do not eat or drink. Wash hands before eating, drinking or smoking.

Conditions for safe storage, including an incompatibilities Keep out of reach of children. Keep the container tightly closed and dry. Store in a covered, dry climate controlled area, away from incompatibles listed in Section 10.

Section 8. Exposure Controls/Personal Protection

Occupational exposure limits

US. OSHA table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Limestone	PEL	5 mg/m3	Respirable.
Crystalline Silica	TWA	5 mg/m3	Respirable.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Limestone	TWA	10 mg/m3	Inhalable fraction.
Crystalline Silica	TWA	0.025 mg/m3	Respirable.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
Limestone	TWA	5 mg/m3	Respirable
Crystalline Silica	TWA	0.05 mg/m3	Respirable

Engineering Controls

Ventilate to keep exposures below TLV requirements of the individual ingredients. General ventilation is expected to be satisfactory. Use local exhaust ventilation if necessary to control dust.

Respiratory protection

None required where adequate ventilation conditions exist. In order to meet TLV requirements of individual ingredients and to control dusting conditions, provide general ventilation and local exhaust ventilation. Avoid creating dust. Wear a NIOSH/MSHA approved dust respirator in poorly ventilated areas and/or if TLV requirements of the individual ingredients is exceeded.

Section 9. Physical and Chemical Properties

Appearance	Grey – White
Physical state	Fine to Coarse Solid
Melting Point	Not applicable.
Freezing Point	Not applicable.
Odor	Low
Odor threshold	Not determined.
Flash point	Non-combustible.
Flammability limits	Not applicable.
Solubility (in water) (g/100g)	<0.4
Initial boiling point	Not applicable
Boiling Range	Not applicable.
Specific gravity	2.5-2.7
pH	Not applicable
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Auto-ignition temperature	None.
Evaporation rate	Not applicable.
Viscosity	Not applicable.
Upper flammability limit	Not determined.
Lower flammability limit	Not determined.
Decomposition temp	898°C/1648°F

Section 10. Chemical Stability and Reactivity

Conditions of reactivity	Not applicable under normal conditions.
Chemical stability	Avoid contact with acids



Conditions to avoid	Not applicable.
Hazardous decomposition products	Not applicable.
Hazardous polymerization	Will not occur

Section 11. Toxicological Information

Information on likely routes of exposure

Acute effects	No known acute toxicological effects. Acute effects include irritation of the eyes, skin, and respiratory system.
Chronic effects	Crystalline silica: Exposures to respirable crystalline silica are not expected during the normal use of this product; however, levels must be determined by in-house workplace hygiene testing.

Section 12. Ecological Information

Ecotoxicity	There are no known causes from this product that would harm the ecology. The disposal of large quantities directly into waterways would be expected to cause significant aquatic life death. The material shows no bioaccumulation or food chain concentration toxicity potential
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Section 13 Disposal Considerations

Disposal procedure	Dispose of product and packaging material in accordance with all applicable federal, state, and local regulation. Can be disposed as an inert solid in a landfill. Slurry may plug drains. Do not dispose of directly in waterways or sewers. Recycle responsibly.
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Section 14. Transport Information

Department of Transportation (DOT) Requirements	This product is not regulated as a hazardous material by the United States (DOT) transportation regulations.
Canadian Transportation of dangerous goods	Not regulated as dangerous goods.
UN#	None, Not regulated as dangerous goods.
ADNR	None.
RID/ADR:	Not classified.
Environmental hazards	None.
Annex II of MARPOL 73/78	Not applicable
International bulk chemical code	Not applicable

Section 15 Regulatory Information

U.S. EPA's Toxic Substance Control Act Chemical Substance Inventory	Not listed as reportable quantity or regulated quantity in SARA Title III Sections 302, 304, and 313. CAA Section 112® Regulated Chemicals for Accidental Release Prevention, CERLA Hazardous Substances, and RCRA Hazardous Waste.
Canadian Controlled Product Regulations	Crystalline Silica: IDL* Item #1406 Classification: D2A.
European Union Directive 67/548/EEC (Annex III and IV)	R36, R37, R38, S37, S3, S39, and S51.

*IDL Item: Canadian Hazardous Product Act Ingredient Disclosure List

** WHMIS: Workplace Hazardous Safety Information System

Section 16 Other Information

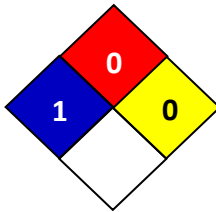
16. Other Information, including date of preparation or last revision

Issue date 01-June 2015
Version # 03

Further information NFPA Ratings “
Health: 1
Flammability: 0
Physical hazard: 0

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

NFPA ratings



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.