



**VOLUNTARY PURCHASING GROUPS, INC.**

## Safety Data Sheet Hi-Yield Agricultural Limestone

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### SECTION 1: Identification

#### GHS Product identifier

Product name	Hi-Yield Agricultural Limestone
Product number	32136
Brand	Hi-Yield

#### Recommended use of the chemical and restrictions on use

Soil amendment

#### Supplier's details

Name	Voluntary Purchasing Groups, Inc.
Address	230 FM 87 Bonham TX 75418 USA
Telephone	855-270-4776

#### Emergency phone number

In the event of a medical or chemical emergency contact ChemTel, Inc.  
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

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### SECTION 2: Hazard identification

#### General hazard statement

Noncombustible, will not burn.  
Stable; no hazardous polymerization or decomposition  
Nontoxic and chemically inert.

#### Classification of the substance or mixture

#### GHS label elements, including precautionary statements

#### Hazard statement(s)

—	Noncombustible, will not burn.
—	Stable; no hazardous polymerization or decomposition
—	Nontoxic and chemically inert.

#### Precautionary statement(s)

Excessive inhalation may cause irritation of the nose, throat, and respiratory passages. Use appropriate respiratory equipment.  
Dust may irritate eyes (mechanical irritation). Flush from eyes with water. Safety glasses are recommended.

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P102  
P103

Keep out of reach of children.  
Read label before use.

### Other hazards which do not result in classification

Excessive inhalation may cause irritation of the nose, throat, and respiratory passages. Use appropriate respiratory equipment.  
Dust may irritate eyes (mechanical irritation). Flush from eyes with water.  
Safety glasses are recommended.

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## SECTION 3: Composition/information on ingredients

### Substances

Formula:  $(Ca,Mg)(CO_3)_2$

Other names / synonyms: Calcium Magnesium Carbonate  
Magnesium Limestone, dolomite

Impurities and stabilizing additives: None

### Hazardous components

Component	Concentration
New chemical	Not specified

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## SECTION 4: First-aid measures

### Description of necessary first-aid measures

#### General advice

If inhaled	Excessive inhalation may cause irritation of the nose, throat, and respiratory passages. Move to a well ventilated area.
In case of skin contact	Wash exposed area with pH neutral soap or a mild detergent and cool water. Seek medical attention if irritation persists or later develops.
In case of eye contact	Dust may irritate eyes (mechanical irritation). Flush from eyes with water.
If swallowed	Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth unless instructed to do so by medical personnel.

### Most important symptoms/effects, acute and delayed

Irritation of skin, eyes, gastrointestinal tract, or respiratory tract. Long term exposure by inhalation may cause permanent damage. This product contains crystalline silica, which has been classified by IARC as a Group 1 carcinogenic to humans when inhaled. Inhalation of silica may also cause a chronic lung disorder - silicosis.

### Indication of immediate medical attention and special treatment needed, if necessary

See first aid information above. Note to physicians: Provide general supportive measures and treat symptomatically.

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## SECTION 5: Fire-fighting measures

### Suitable extinguishing media

Noncombustible. Will not burn.

### Special protective actions for fire-fighters

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Keep personnel away and upwind of fire. Wear full fire-fighting turn-out gear (full bunker gear), and respiratory protection (SCBA).

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### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

- i. Spill/Leak Procedures: Use proper protective equipment including gloves, eye protection (goggles), and cover exposed skin area.
- ii. Small Spills: Use water or dry methods to collect spilled materials. Evacuate area downwind of cleanup operations to minimize dust exposure
- iii. Large Spills: Use wet or dry methods to collect spilled materials. Evacuate area that is located downwind of cleanup operations to minimize dust exposure. Store spilled materials in dry, sealed plastic or metal containers.

#### Methods and materials for containment and cleaning up

- i. Containment: For large spills, as much as possible, avoid generation of dust. Prevent release to sewers and waterways.
- ii. Cleanup: Residual amounts of material can be flushed with water. Equipment can be washed with either a mild vinegar and water solution, or detergent and water.

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### SECTION 7: Handling and storage

#### Precautions for safe handling

Use appropriate respiratory protection equipment. Safety glasses are recommended.

#### Conditions for safe storage, including any incompatibilities

Store in a dry place to maintain free-flowing properties.

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### SECTION 8: Exposure controls/personal protection

#### Control parameters

##### 1. Hi-yield agricultural limestone

15 mg/m<sup>3</sup> (US/OSHA)

5 mg/m<sup>3</sup> (US/OSHA)

5 mg/m<sup>3</sup> (ACGIH)

15 mg/m<sup>3</sup> (ACGIH)

#### Appropriate engineering controls

Provide ventilation adequate to maintain PELs.

#### Individual protection measures, such as personal protective equipment (PPE)

##### Eye/face protection

Safety glasses are recommended.

##### Skin protection

Use appropriate gloves and appropriate clothing.

##### Respiratory protection

Use appropriate respiratory protection equipment.

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### SECTION 9: Physical and chemical properties

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Appearance (physical state, color, etc.)	Grey powder
Odor	None
Odor threshold	None
pH	7-9
Melting point/freezing point	Decomposes at 340° C, 650° F
Initial boiling point and boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	None
Upper/lower flammability or explosive limits	None
Vapor pressure	No information available
Vapor density	No information available
Relative density	65-80 lb/ft 3 (approx.)
Solubility(ies)	Insoluble in water. Soluble in acids.
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available

### Additional properties

Physical state	Solid
Color	Grey

### Further safety characteristics (supplemental)

Specific Gravity: 2.85

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## SECTION 10: Stability and reactivity

### Reactivity

Stable; no hazardous polymerization or decomposition products.

### Chemical stability

Stable under normal ambient temperature and conditions while in storage and being handled. No stabilizer is needed to maintain chemical stability. There are no safety issues that would arise should the product change in physical appearance.

### Possibility of hazardous reactions

Avoid contact with acids.

### Conditions to avoid

Do not allow limestone to come into contact with substances mentioned in 10(e) without taking appropriate precautions.

### Incompatible materials

Limestone should not be mixed or stored with the following materials due to the potential for violent reactions:

- i. Acids
- ii. Reactive fluorinated compounds
- iii. Reactive brominated compounds
- iv. Organic acid anhydrides
- v. Nitro - organic compounds
- vi. Reactive phosphorous compounds
- vii. Interhalogenated compounds

### Hazardous decomposition products

N/A

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### SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

MIN-AD is not listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest editions) or found to be a potential carcinogen by OSHA.

Numerical Measures of Toxicity: None

##### Serious eye damage/irritation

Dust may irritate eyes (mechanical irritation).

##### Respiratory or skin sensitization

Excessive inhalation may cause irritation of the nose, throat, and respiratory passages.

##### Germ cell mutagenicity

No information available.

##### Carcinogenicity

Limestone is not listed by MSHA, OSHA, or IARC as a carcinogen; however, this product contains crystalline silica, which has been classified by IARC as a (Group 1) carcinogen to humans when inhaled.

##### Reproductive toxicity

No information available.

##### Specific target organ toxicity (STOT) - single exposure

No information available.

##### Specific target organ toxicity (STOT) - repeated exposure

No information available.

##### Aspiration hazard

No information available.

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### SECTION 12: Ecological information

#### Toxicity

No ecotoxicity data is available. This product is not expected to present an environmental hazard.

#### Bioaccumulative potential

This material exhibits no bio-accumulation effect or food chain concentration toxicity.

#### Mobility in soil

Soil mobility can vary widely based on soil properties and weather conditions

#### Other adverse effects

The material is alkaline and, if released into water or moist soil, it will cause an increase in pH.

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### SECTION 13: Disposal considerations

#### Disposal methods

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### Product disposal

Waste Disposal Method: Dolomite is not classified as a hazardous waste under US EPA RCRA regulations. If uncontaminated, dispose as an inert, non-metallic mineral.

### Packaging disposal

If contaminated, dispose in accordance with all applicable local, state/provincial and federal regulations in light of the contamination present. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the proper waste identification and disposal in compliance with applicable regulations.

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## SECTION 14: Transport information

### DOT (US)

Not regulated

### IMDG

Not regulated

### IATA

Not regulated

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## SECTION 15: Regulatory information

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

#### Toxic Substances Control Act (TSCA):

The components in this product are listed on the TSCA Inventory or are exempt.

#### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):

Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA), Title III:

Section 302 extremely Hazardous Substances: None

Section 311/312 Hazard

categories: Delayed Health

Section 313 Reportable ingredients at or above de minimus

concentrations: None

#### California Proposition 65:

This product contains a chemical (crystalline silica) known to the State of California to cause cancer.

### Chemical Safety Assessment

State Regulatory Lists: Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list or all state regulations. Therefore, the user should review the components listed in Section 2 and consult state or local authorities for specific regulations that apply.

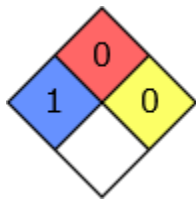
### HMIS Rating

Hi-Yield Agricultural Limestone	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	A

### NFPA Rating

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### SECTION 16: Other information

No data available.

#### Further information/disclaimer

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