

**Material
Safety
Data
Sheet**
Hi-Yield® Agricultural Limestone
SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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| Name: Voluntary Purchasing Groups, Inc. | Box 460, Bonham, TX 75418 |
| Emergency Telephone: (903) 583-5501 or (800) 424-9300 (Chemtrec) | |
| For Additional Information Contact: Product Manager or Chemtrec | Date Prepared: 03-14-03 |
| Common Name (Used on Label): Hi-Yield® Agricultural Limestone | Chemical Family: Inorganic salt |
| Chemical Name: Calcium carbonate | Formula: Ca-C-O3 and Mg-C-O3 |
| Trade Name & Synonyms: Hi-Yield® Agricultural Limestone | |

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| HAZARDOUS COMPONENT | CAS NUMBER | % (TYPICAL) | TLV (UNITS) | PEL (UNITS) |
|---|------------|-------------|-------------|-------------|
| Limestone | 1317-65-3 | 100 | 10mg/m3* | 15mg/m3* |
| * Containing <1% crystalline silica and no asbestos | | | | |
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PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration.

TLV: Threshold Limit Value recommended by the American Conference of Governmental Industrial Hygienists.

SECTION 3 - PHYSICAL DATA

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| BOILING POINT (°F) Does not apply | SPECIFIC GRAVITY (H ₂ O=1) 2.83-3.00 | VAPOR PRESSURE (mm Hg) Does not apply |
| PERCENT VOLATILE BY VOLUME (%) <0.1% | VAPOR DENSITY (AIR=1) Does not apply | EVAPORATION RATE (ethyl ether=1) Not determined |
| SOLUBILITY IN WATER Not determined | REACTIVITY IN WATER Will not evolve flammable or toxic gases | |
| APPEARANCE AND ODOR Gray powder. | | |

SECTION 4 - FIRE AND EXPLOSION DATA

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| FLASH POINT (°F) Does not apply | FLAMMABLE LIMITS IN AIR (% by volume) Lower: Does not apply Upper: Does not apply | |
| EXTINGUISHING MEDIA Extinguish using agent suitable for type of surrounding fire | AUTO IGNITION TEMPERATURE Not determined | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS None determined | | |
| SPECIAL FIRE FIGHTING PROCEDURES Move container from fire area if possible. Avoid breathing vapors or dusts. Keep upwind. Utilize self-contained breathing apparatus with full-face piece operated in pressure demand or other positive pressure mode. | | |

SECTION 5 - HEALTH INFORMATION

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| PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS | | |
| Inhalation, skin and eye contact, ingestion | | |
| SIGNS AND SYMPTOMS OF EXPOSURE | | |
| (1) ACUTE OVEREXPOSURE | | |
| Inhalation of excessive nuisance dusts may cause injury to the mucous membranes by mechanical action, and cause uncomfortable deposits in nasal passages. May be irritating to the skin and eyes. Ingestion of large amounts may cause intestinal obstruction. | | |
| (2) CHRONIC OVEREXPOSURE | | |
| Some limestone products may contain crystalline silica which may cause pulmonary changes include silicosis. Studies of limestone quarry and processing workers have revealed pulmonary changes, pharyngitis, bronchitis, and emphysema. | | |
| MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE | | |
| Disorders of the respiratory system, skin and eyes. | | |
| CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN | | |
| None | | |
| NTP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | IARC <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | OSHA <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |
| OTHER EXPOSURE LIMITS | | |
| None determined | | |
| EMERGENCY AND FIRST AID PROCEDURES | | |
| INHALATION: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. INGESTION: Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration. SKIN AND EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Flush skin with water. | | |

SECTION 6 - REACTIVITY DATA

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| STABILITY <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable | CONDITIONS TO AVOID Does not apply |
| INCOMPATIBILITY (Materials to Avoid) Fluorine, magnesium, acids. | |
| HAZARDOUS DECOMPOSITION PRODUCTS Thermal decomposition may evolve corrosive calcium oxide and toxic oxides of carbon. | |
| HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not occur | CONDITIONS TO AVOID Does not apply |

SECTION 7 - SPILL OR LEAK PROCEDURES

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| STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED Sweep up and place in labeled container. Comply with all applicable governmental regulations concerning spill reporting, handling, and disposal of waste. |
| WASTE DISPOSAL METHOD Dispose of in accordance with Federal, State, and local regulations |

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| SECTION 8 - PERSONAL PROTECTION INFORMATION |
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| RESPIRATORY PROTECTION |
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| NIOSH/MSHA approved respiratory devices to protect against nuisance dusts. |
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| VENTILATION |
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| General or local exhaust to maintain employee exposure below the TLV/PEL. |
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| PROTECTIVE GLOVES |
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| If necessary to prevent skin contact. |
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| EYE PROTECTION |
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| To prevent eye contact. Contact lenses should not be worn. |
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| OTHER PROTECTIVE CLOTHING OR EQUIPMENT |
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| When necessary utilize impervious clothing and other equipment to prevent skin contact with this substance. |
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| SECTION 9 - SPECIAL PRECAUTIONS |
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| PRECAUTIONS TO BE TAKEN IN HANDLING & STORING |
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| Store away from incompatible substances. |
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| OTHER PRECAUTIONS |
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| None determined. |
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| SECTION 10 - OTHER INFORMATION |
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The information contained within was obtained from authoritative sources and is believed to be accurate for the manner in which the product is intended to be used. Other uses could result in ramifications, which are not included within this document.