

# MATERIAL SAFETY DATA SHEET



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

Voluntary Purchasing Groups, Inc.  
230 FM 87  
Bonham, Texas 75418

Effective Date: May 23, 2012

## Hi-Yield® Agricultural Limestone

### 1. PRODUCT AND COMPANY IDENTIFICATION:

**PRODUCT:** Hi-Yield® Agricultural Limestone  
**CHEMICAL FAMILY:** Inorganic Salt  
**CHEMICAL NAME:** Calcium carbonate

#### COMPANY IDENTIFICATION:

Voluntary Purchasing Groups, Inc.  
230 FM 87  
Bonham, TX. 75418

### 2. CHEMICAL IDENTIFICATIONS:

CHEMICAL COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Limestone	1317-65-3	100	10mg/m3*	15mg/m3*
* Containing <1% crystalline silica and no asbestos				

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.

### 3. PHYSICAL DATA:

BOILING POINT (°F) Does not apply	SPECIFIC GRAVITY (H <sub>2</sub> 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.				

### 4. FIRE AND EXPLOSION DATA:

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.				

### 5. HEALTH INFORMATION:

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS Inhalation, skin and eye contact, ingestion.
SIGNS AND SYMPTOMS OF EXPOSURE

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(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 including 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.		

### 6. REACTIVITY DATA:

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

### 7. SPILL OR LEAK PROCEDURES:

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.

### 8. PERSONAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION NIOSH/MSHA approved respiratory devices to protect against nuisance dusts.
VENTILATION General or local exhaust to maintain employee exposure below the TLV/PEL.

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PROTECTIVE GLOVES If necessary to prevent skin contact.
EYE PROTECTION To prevent eye contact. Contact lenses should not be worn.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT When necessary utilize impervious clothing and other equipment to prevent skin contact with this substance.

### 9. SPECIAL PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING Store away from incompatible substances.
OTHER PRECAUTIONS None determined

### 10. TRANSPORT INFORMTATION:

Not regulated by DOT or IMDG.

### 11. OTHER INFORMTATION:

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.