

Material Safety Data Sheet

Natural Guard® Crawling Insect Control Containing Diatomaceous Earth

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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): Natural Guard® Crawling Insect Control Containing Diatomaceous Earth	Chemical Family: Silica
Chemical Name: Natural diatomite	Formula: Amorphous SiO ₂
Trade Name & Synonyms: Natural Guard® Crawling Insect Control Containing Diatomaceous Earth	

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS NUMBER	% (TYPICAL)	TLV (UNITS)	PEL (UNITS)
Diatomaceous earth	61790-53-2	100	10 mg/m ³	6 mg/m ³
Quartz	14808-46-1	0-1	0.1 mg/m ³ *	0.1 mg/m ³

*Respirable fraction

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

BOILING POINT (°F) Does not apply	SPECIFIC GRAVITY (H ₂ O=1) 2.3	VAPOR PRESSURE (mm Hg) Does not apply
PERCENT VOLATILE BY VOLUME (%) 0	VAPOR DENSITY (AIR=1) Does not apply	EVAPORATION RATE (_____ =1) Does not apply
SOLUBILITY IN WATER Negligible (<0.1%)	REACTIVITY IN WATER Will not evolve flammable or toxic gases.	
APPEARANCE AND ODOR Solid off-white powder. No odor.		

SECTION 4 - FIRE AND EXPLOSION DATA

FLASH POINT (°F) Nonflammable	FLAMMABLE LIMITS IN AIR (% by volume) Lower: Does not apply Upper: Does not apply	
EXTINGUISHING MEDIA Use appropriate media for surrounding fire.	AUTO IGNITION TEMPERATURE Does not apply	
UNUSUAL FIRE AND EXPLOSION HAZARDS None		
SPECIAL FIRE FIGHTING PROCEDURES None		

SECTION 5 - HEALTH INFORMATION

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS Inhalation, eye contact		
SIGNS AND SYMPTOMS OF EXPOSURE (1) ACUTE OVEREXPOSURE: Congestion of nasal passages and respiratory system may result from excessive exposure to dusts of this material. Eye contact may result in irritation due to mechanical action. (2) CHRONIC OVEREXPOSURE: Excessive exposure, by inhalation, to dusts of this material, over an extended period of time may result in the development of pulmonary diseases including pneumoconiosis and silicosis. Dust can cause inflammation of the lining tissue of the interior of the nose and inflammation of the cornea.		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Respiratory disorders of diseases may be aggravated by exposure to dust of this material.		
CHEMICAL/COMPONENT LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN Quartz		
NTP <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	IARC <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	OSHA <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
OTHER EXPOSURE LIMITS None		
EMERGENCY AND FIRST AID PROCEDURES INHALATION: Remove from exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.		

SECTION 6 - REACTIVITY DATA

STABILITY <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	CONDITIONS TO AVOID Does not apply
INCOMPATIBILITY (Materials to Avoid) None	
HAZARDOUS DECOMPOSITION PRODUCTS None	
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

STEPS TO BE TAKEN IN CASE MATERIAL IS LEAKED OR SPILLED Clean up of spills may require personal equipment to prevent dust exposures. Place spilled residue in a labeled, sealed container, or the original container, for later use or disposal. Avoid cleanup methods, which create airborne dust.
WASTE DISPOSAL METHOD Dispose of in accordance with Federal, State, and local regulations.

SECTION 8 - PERSONAL PROTECTION INFORMATION
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RESPIRATORY PROTECTION

NIOSH/MSHA approved respiratory devices to protect against silica and nuisance dusts.

VENTILATION

General or local exhaust to maintain employee exposure below the TLV/PEL.

PROTECTIVE GLOVES

To protect from abrasion

EYE PROTECTION

Safety glasses, goggles, or face shield, when necessary to prevent eye injury.
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OTHER PROTECTIVE CLOTHING OR EQUIPMENT

None

SECTION 9 - SPECIAL PRECAUTIONS
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PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
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Should be stored and handled in a manner to prevent accumulations of airborne dusts.
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OTHER PRECAUTIONS

None

SECTION 10 - OTHER INFORMATION

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.