

MATERIAL SAFETY DATA SHEET



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

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

Effective Date: April 23, 2012

Natural Guard® Crawling Insect Control Containing Diatomaceous Earth

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Natural Guard® Crawling Insect Control Containing Diatomaceous Earth

EPA No.: 7401-449

Chemical Family: Silica

Chemical Name: Natural diatomite

Formula: Amorphous SiO₂

COMPANY IDENTIFICATION:

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

2. INGREDIENTS:

CHEMICAL	CAS NO.	%	TLV	PEL
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.

3. PHYSICAL DATA:

BOILING POINT: Does not apply

SPECIFIC GRAVITY (H₂O=1): 2.3

VAPOR PRESSURE (mm Hg): Does not apply

PERCENT VOLATILE BY VOLUME (%): 0

VAPOR DENSITY (AIR=1): Does not apply

EVAPORATION RATE: 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.

4. FIRE AND EXPLOSION HAZARDS:

FLASH POINT: 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

5. HEALTH INFORMATION:

PRIMARY ROUTES OF EXPOSURE AND TARGET ORGANS: Inhalation; eye contact

SIGNS AND SYMPTOMS OF EXPOSURE:

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(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: No

IARC: Yes

OSHA: 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.

6. REACTIVITY DATA:

STABILITY: Stable

CONDITIONS TO AVOID: Does not apply

INCOMPATIBILITY: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Does not apply

7. SPILLS 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.

8. PERSONAL PROTECTION INFORMATION:

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.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

9. SPECIAL PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: Should be stored and handled in a manner to prevent accumulations of airborne dusts.

OTHER PRECAUTIONS: None

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.