



# VOLUNTARY PURCHASING GROUPS, INC.

## Safety Data Sheet Natural Guard® Grub Control

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### SECTION 1: Identification

#### Product identifier

Product name Natural Guard® Grub Control

Product number 43040

#### Supplier's details

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

Telephone 855-270-4776

#### Emergency phone number(s)

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

#### Classification of the substance or mixture

- Acute toxicity, dermal (chapter 3.1), Cat. 5
- Eye damage/irritation (chapter 3.3), Cat. 2A

#### GHS label elements, including precautionary statements

#### Pictogram



#### Hazard statement(s)

H319 Causes serious eye irritation  
H315 Causes skin irritation  
H313 May be harmful in contact with skin

#### Precautionary statement(s)

P312 Call a POISON CENTER/doctor/... if you feel unwell.  
P264 Wash ... thoroughly after handling.

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P280  
P305+P351+P338  
  
P337+P313

Wear protective gloves/protective clothing/eye protection/face protection.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

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### SECTION 3: Composition/information on ingredients

#### Substances

Other names / synonyms:

#### Hazardous components

Component	Concentration
Halofenozide (CAS no.: 112226-61-6)	Not specified
N-METHYL-2-PYRROLIDONE (CAS no.: 872-50-4; EC no.: 212-828-1; Index no.: 606-021-00-7)	Not specified

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### SECTION 4: First-aid measures

#### Description of necessary first-aid measures

General advice	Call a poison control center or doctor for treatment advice. Have the Safety Data Sheet, and if available, the product container or label with you when calling a poison control center or doctor, or going for treatment. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur, seek medical attention immediately.
If inhaled	Move person to fresh air. If person is not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a poison control center or doctor for treatment advice.
In case of skin contact	Wash skin with soap and plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
In case of eye contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
If swallowed	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a poison control center or doctor for treatment advice.
Personal protective equipment for first-aid responders	Respiratory Protection: NIOSH/MSHA approved for protection against toxic dusts containing quartz. Ventilation: General or local exhaust to maintain employee exposure below the TLV/PEL. Protective Gloves: PVC or Neoprene. Eye Protection: Safety glasses or goggles (ANSI Z87.1 1979) Other Protective Clothing or Equipment: Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

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### SECTION 5: Fire-fighting measures

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### **Suitable extinguishing media**

Use water spray, alcohol resistant foam, dry chemical, or carbon dioxide to extinguish fires.

### **Specific hazards arising from the chemical**

Use water spray to cool containers exposed to fire. Dike and collect water used to fight fire. Remain upwind and avoid breathing smoke.

### **Special protective actions for fire-fighters**

Wear self-contained breathing apparatus (NIOSH approved or equivalent) and full protective equipment.

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## **SECTION 6: Accidental release measures**

### **Environmental precautions**

Toxic to aquatic invertebrates.

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

Absorb small spills with an inert absorbent such as granular clay or sawdust. Shovel or sweep the absorbed material into covered containers for proper disposal. For large spills, dike the area to prevent spill from spreading.

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## **SECTION 7: Handling and storage**

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

Store in a cool, dry, well-ventilated area. Prevent cross contamination with other materials. Store in original container and out of the reach of children. Open dumping is prohibited. Avoid temperature extremes during storage; ambient temperature preferred for storage. Do not contaminate water, food, or livestock feed by storage or disposal. Keep container tightly closed when not in use.

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## **SECTION 8: Exposure controls/personal protection**

### **Appropriate engineering controls**

Local or general exhaust to maintain exposure below TLV/PEL.

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

#### **Eye/face protection**

Splash-proof or dust-resistant safety goggles to prevent eye contact with this substance. Contact lenses should not be worn.

#### **Skin protection**

PVC or Neoprene gloves

#### **Body protection**

Apron, boots, long sleeved shirt and full-length pants may be worn when necessary to prevent skin contact. Eye wash and shower facilities should be available.

#### **Respiratory protection**

NIOSH/MSHA approved respiratory devices to protect against breathing dusts.

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## **SECTION 9: Physical and chemical properties**

### **Information on basic physical and chemical properties**

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Appearance/form	Tan colored granules
Odor	Mild amino-like
Odor threshold	
pH	
Melting point/freezing point	
Initial boiling point and boiling range	
Flash point	
Evaporation rate	
Flammability (solid, gas)	
Upper/lower flammability limits	
Vapor pressure	
Vapor density	
Relative density	
Solubility(ies)	Not soluble
Partition coefficient: n-octanol/water	
Auto-ignition temperature	
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

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### SECTION 10: Stability and reactivity

#### Reactivity

#### Chemical stability

Stable under normal storage conditions.

#### Possibility of hazardous reactions

HAZARDOUS POLYMERIZATION: Not known to occur.

#### Conditions to avoid

Avoid high temperatures to prevent evaporation.

#### Incompatible materials

None known.

#### Hazardous decomposition products

Thermal decomposition may yield the following: isobutylene, oxides of nitrogen, and/or hydrogen chloride.

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### SECTION 11: Toxicological information

#### Information on toxicological effects

#### Acute toxicity

INGESTION: Low toxicity if swallowed. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Single dose oral LD50 has not been determined. For the active ingredient, the oral LD50 for rats is 2850 mg/kg. For the solvent, the oral LD50 for rats is between 4320-7000 mg/kg.

#### Skin corrosion/irritation

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Brief contact may cause skin irritation with local redness. Prolonged or repeated exposure may cause severe irritation, even a burn. Prolonged skin contact is unlikely to result in absorption of harmful amounts. The dermal LD50 has not been determined. The active ingredient has caused allergic skin reactions when tested in guinea pigs. The LD50 for skin absorption in rabbits is >2000 mg/kg.

### **Serious eye damage/irritation**

May cause severe irritation with corneal injury.

### **Germ cell mutagenicity**

No relevant information found

### **Carcinogenicity**

The solvent did not cause cancer in laboratory animals.

### **Reproductive toxicity**

For the solvent, in animal studies, did not interfere with reproduction.

### **Summary of evaluation of the CMR properties**

No relevant information found

### **Aspiration hazard**

At room temperature, exposure to vapor is minimal due to low volatility; vapor from heated material may cause adverse affects. Vapor from heated material may cause respiratory irritation. For the active ingredient, the LC50 is >2.7 mg/L.

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## **SECTION 12: Ecological information**

### **Toxicity**

Toxic to aquatic invertebrates.

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## **SECTION 13: Disposal considerations**

### **Disposal of the product**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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## **SECTION 14: Transport information**

### **DOT (US)**

Not regulated

### **IMDG**

Not regulated

### **IATA**

Not regulated

## **SECTION 15: Regulatory information**

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

#### **Massachusetts Right To Know Components**

Chemical name: N-Methyl-2-pyrrolidone  
CAS number: 872-50-4

#### **New Jersey Right To Know Components**

Common name: 1-METHYL-2-PYRROLIDONE  
CAS number: 872-50-4

#### **Pennsylvania Right To Know Components**

Chemical name: 2-Pyrrolidinone, 1-methyl- 2,beta-butoxyethoxyethyl Chloride  
CAS number: 872-50-4

#### **California Prop. 65 components**

Chemical name: N-METHYL-2-PYRROLIDONE  
CAS number: 872-50-4  
06/15/2001 - developmental

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## **SECTION 16: Other information**

Voluntary Purchasing Groups, Inc. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.