# Material Safety Data Sheet

# grub GONE!®G

# 1. Chemical Product and Company Information

Product Name·····grubGONE! ®G PMRA Registration No.·····33319

Ingredient name······Bacillus thuringiensis serovar galleriae strain SDS-502

Class ..... Microbial

# 2. Composition/Information on Ingredients

Ingredient name: Bacillus thuringiensis serovar galleriae strain SDS-502

Concentration: 9.0% w/w CAS number: 68038-71-1 OSHA PEL: Not established TWA: Not established STEL: Not established

Inert/Other Ingredients: 91.0% wtw identity a trade secret

CAS number: NA

OSHA PEL: Not established TWA: Not established STEL: Not established

#### 3. Hazardous Identification

# **Emergency Overview**

This product is a tan to dark colored granule with a slightly sweet odor, which is intended for use as a biological insect control. If poisoning is suspected, contact a physician, the nearest hospital, or the nearest Poison Control Center. There is no specific antidote for the product, treat symptomatically.

#### **HOT LINE NUMBER**

Have the product container or label with you when calling your local poison control center or doctor, or going for treatment. You may also contact the American Association of Poison Control Centers at **1-800-222-1222** for emergency medical treatment information.

# PMRA Signal Word: Caution

Potential Health Effects

Route(s) of Entry ..... Eyes, skin, oral, inhalation

Human Effects and

Symptoms of Overexposure · · · · · · May cause irritation of eyes, skin, or respiratory tract

Acute Eye Contact ..... May cause minimal eye irritation

Chronic Eye Contact · · · · Chronic exposure not likely from normal use

Acute Skin Contact ..... A skin sensitization (allergic) reaction may occur in sensitive individuals

Chronic Skin Contact······ Chronic exposure not likely from normal use
Chronic Ingestion···· Chronic exposure not likely from normal use
Acute Inhalation··· May cause some irritation, shortness of breath
Chronic Inhalation··· Chronic exposure not likely from normal use

#### Carcinogenicity

NTP ...... N/A LARC ..... N/A OSHA ..... N/A

**Medical Conditions** 

Aggravated By Exposure: Individuals with allergic history or pre-existing dermatitis should use extra care in handling this product.

#### 4. First Aid Measures

Have the product container or label with you when calling a poison control center or doctor, or when going for treatment. For emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm, Pacific Time (NPIC Web site: www.npic.orst.edu). During other times, call your poison control center at 1-800-222-1222.

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lf on skin or clothing:	Take off contaminated clothing.			
	<ul> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> </ul>			
	Call a poison control center or doctor for treatment advice.			
If inhaled:	Move person to fresh air.			
	<ul> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration,</li> </ul>			
	preferably mouth-to-mouth if possible.			
	Call a poison control center or doctor for further treatment advice.			
If swallowed:	Call a poison control center or doctor immediately for treatment advice.			
	Have person sip a glass of water if able to swallow.			
	Do not induce vomiting unless told to by a poison control center or doctor.			
	Do not give anything by mouth to an unconscious person.			

# 5. Fire Fighting Measures

NFPA Hazard	Classification·····	···Health Hazard	1	Fire Hazard	0		
		· · · Reactivity	0				
Extinguishing Media·····Dry chemical, foam, or carbon dioxide							
Unusual Fire Fighting Explosion Hazards·····Thermal decomposition products may include, but are not limited to, CO <sub>2</sub> , H <sub>2</sub> O, and particulate fillers.							
Special Fire Fi	ghting Procedures·····	· None					

# 6.Accidental Release Measures

Spill or Leak Procedures: Recover product and place in an appropriate container for disposal. Avoid breathing dust. Ventilate and wash the spill area

# 7. Storage and Disposal

Storage Temperature (Min/Max) ······32 / 80 F 0 / 27 C
Shelf Life·····Stable at Room Temperature
Special Sensitivity······Avoid UV/sunlight, heat and strong alkali conditions to maintain activity
Do not contaminate water, food or feed by storage or disposal.

Store in a cool, dry place inaccessible to children.

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then, offer for recycling if available, dispose of empty bag in a sanitary landfill or by incineration or, if allowed by Provincial and local authorities, by burning. If burned, stay out of smoke.

# 8. Personal Protection Equipment (PPE)

Applicators and handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Mixers/loaders and applicators must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions are available for washables, use detergent and hot water. Keep and wash PPE separately from laundry.

Exposure Limit · · · · · N/A

# 9. Physical and Chemical Properties

Physical Appearance Tan Granule
Odor Slightly sweet

Upper Explosive Limits (UEL)······ Not Determined Lower Explosive Limits (LEL)····· Not Determined

pH------ 6-8

Solubility in Water relatively insoluble
Specific Gravity/ Density 52 lbs/cubic foot
Bulk Density Not Determined
% Volatile by Weight Not Determined
Vapor Pressure at 20 C Not Determined
Vapor Density Not Determined

### 10. Stability and Reactivity

Stability Stable
Hazardous Polymerization Not occur
Incompatibilities None known
Decomposition Products None known
Conditions to Avoid None known

# 11. Toxicological Information

Acute Toxicity/ Irritation Studies:

Ingestion or Oral: Test substance Phyllom SDS-502 MP LD 50 Rat >3,000 mg/kg body weight

Dermal: Test substance Phyllom SDS-502 MP LD 50 Rabbit >2,020 mg/kg body weight

Eye Contact: Test substance grubGONE! G end use granule. The test substance is rated minimally irritating and assigned to Toxicity Category IV

Inhalation: Not Available
Skin Contact: See Dermal above

Skin Sensitization: See Dermal above

Mutagenic Potential

Bacillus thuringiensis Not Available

Reproductive Hazard Potential

Bacillus thuringiensis Not Available

Chronic/Subchronic Toxicity Studies

Bacillus thuringiensis Not Available

Carcinogenic Potential

Bacillus thuringiensis Not Available

Other Toxicity Information

Not Available

**Target Organs** 

Active Ingredients

Bacillus thuringiensis Not Available

# 12. Transportation Information

D.O.T. Proper Shipping Name · · · · · N/A

Technical Shipping Name······ grubGONE! G D.O.T. Hazard Class····· Not Regulated

 U.N./ N.A. Number
 N/A

 Product RQ (lbs.)
 N/A

 D.O.T. Lavel
 N/A

 D.O.T. Placard
 N/A

# 13. Regulatory Information

 OSHA······
 N/A

 TSCA Status·····
 Exempt

CERCLA Reportable Quantity · · · · None

SARA Title III

Section 302 Extremely

Hazardous····· N/A

Section 311/312

Hazard Categories · · · · N/A

Section 313

Toxic Chemicals····· N/A RCRA Status····· N/A

# Provincial Regulatory Information

The following chemicals are specially listed by individual province; other product specific health and safety data in other sections of the MSDS may also be applicable for Provincial requirements. For detail on your regulatory requirements you should contact the appropriate agency in your site.