

Material Safety Data Sheet

Product Name: Grub-No-More Concentrate

MSDS No.: 822-5

Version No.: 001

EPA Registration No.: 2217-908

1. Basic Information:

Manufacturer: PBI/Gordon Corporation
Address: 1217 West 12th Street
City, State Zip: Kansas City, MO 64101-1407
Information Contact: Environmental, Health, & Safety Dept.
Information Telephone Number: (816)421-4070
Emergency Contact: Chemtrec
Emergency Telephone Number: (800)424-9300



1	Health
1	Flammability
0	Reactivity
B	Pers. Protection

Last Update: 10/17/2007

Chemical State: Liquid Gas Solid
Chemical Type: Pure Mixture

2. Ingredients:

Trade Secret (ND = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
138261413	Imidacloprid, 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinime	1.47%	N	N	N	N	N	NI	NI	NI

3. Hazardous Identification:

Hazard Category:

Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:

First Aid Measures (Continued)

Active ingredient: 1.47% imidacloprid, CAS Registry No. 138261-41-3

Other Health Warnings:

Note to physician: No specific antidote available, treat symptomatically.

4. First Aid Measures:

Route(s) of Entry:

Contact--eyes, skin; oral.

Health Hazards (Acute and Chronic):

Mildly irritating to the eyes and skin. May be harmful if swallowed.

Signs and Symptoms:

NI

Medical Conditions Generally Aggravated by Exposure:

NI

Emergency First Aid Procedure:

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 do so by a poison control center or doctor.

IF IN EYES:

--Hold eye 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 eye.
 --Call a poison control center or doctor for treatment advice.

Hotline number

Have the product container or label with you when calling a poison control center or doctor, or going to a doctor. You may also contact 1-877-800- 5556 for emergency medical information

5. Fire Fighting Measures:

Flash Point: >212°F F.P. Method: PM Closed Cup

Lower Explosive Limit: NI

Upper Explosive Limit: NI

Fire Extinguishing Media:

Use foam, dry chemical, or water spray when fighting fires involving this material. Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water run off.

Special Fire Fighting Procedures:

Use self-contained breathing apparatus with full facepiece.

Unusual Fire and Explosion:

None.

6. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

See Section 8 for Personal Protective Equipment. Contain spill with absorbent and collect into containers for disposal. Clean area with water if possible.

7. Handling and Storage:

Precautions to be Taken:

Do not contaminate water, food or feed by storage or disposal. Store upright at room temperature. Avoid exposure to extreme temperatures.

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Handling and Storage (Continued)

PESTICIDE STORAGE AND SPILL PROCEDURES: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste. Protect from freezing.

Other Precautions:
NI

8. Exposure Controls/Personal Protection:

Ventilation Requirements:

Good local ventilation.

Personal Protective Equipment:

PROTECTIVE CLOTHING: Wear long sleeve shirt, long pants, shoes with socks, and chemical-resistant gloves.

EYE PROTECTION: Safety glasses with side shields or safety goggles.

RESPIRATORY PROTECTION: None should be required in normal use. If exposure limits may be exceeded, wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C), or a NIOSH approved respirator with any N, R, P or HE filter.

9. Physical and Chemical Properties:

Boiling Point: 212°F

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1): NI

Vapor Pressure (mm Hg.): NI

Vapor Density (Air = 1): NI

Specific Gravity (H₂O = 1): 1.02190

Solubility in Water: Dispersible

Appearance and Odor: Milk white viscous liquid, with a sweet odor.

Other Information:

pH: 6.0 - 8.5

Density: 8.52 pounds/gallon

10. Stability and Reactivity:

Stability:

Stable.

Incompatibility (Materials to Avoid):

None known.

Decomposition/By-Products:

Hydrogen cyanide, hydrogen chloride, carbon monoxide, nitrogen oxides.

Hazardous Polymerization:

Will not occur.

11. Toxicological Information:

ACUTE TOXICITY:

Oral LD50 (rat): >4,500 mg/kg

Dermal LD50 (rat): >2,000 mg/kg/kg

Inhalation LC50 (rat): >5.0 mg/L

Eye Irritation (rabbit): -Mild

Skin Irritation (rabbit): -Slight

Sensitization (Guinea pig): -non-sensitizer

CARCINOGEN STATUS:

OSHA - not listed

NTP - not listed

IARC - not listed

Toxicological Information (Continued)

MUTAGENIC DATA: Little or no evidence of mutagenic effects during in vivo or in vitro studies.

ADDITIONAL DATA: No reproductive or teratogenic (birth defect) effects at normal exposure levels.

12. Ecological Information:

This product is toxic to aquatic invertebrates. Do not apply directly to lakes, streams, rivers or ponds. Do not dump rinse water into sewers or other bodies of water. Apply this product only as specified on this label.

Fish Toxicity: (Technical)

96 hour LC50, Rainbow trout - 211 mg/L

96 hour LC50 Bluegill, Unknown

Avian Toxicity: (Technical)

Oral LD50, Bobwhite quail - 152 mg/kg

Oral LD50 Mallard duck, - Unknown

Bee Toxicity:

Contact LD50 - highly toxic

13. Disposal Considerations:

Pesticide Storage: Store in original container in a cool, dry place, out of the reach of children, preferably a locked storage cabinet.

Disposal:

-If Empty: Do not reuse container. Place empty container in trash or offer for recycling if available.

-If Partly Filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

14. Transport Information:

The following guidelines apply for domestic ground transport. If shipping by air or ocean, please contact our Transportation Dept.

Freight Class: Insecticides, NOI - NMFC #102120

In our current available sizes, this product does not qualify as a Hazardous Material.

15. Regulatory Information:

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: This product is exempt from TSCA Regulation under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None

SECTION 311/312 HAZARD CATEGORIES: Immediate Health

Hazard

SECTION 313 TOXIC CHEMICALS: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

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16. Other Information:

REASON FOR ISSUE: New MSDS in the ANSI Z400.1-1998 format

NOTE: NI means not indicated.

The information and statements in this Material Safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard determination but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable depending on particular, exceptional or variable conditions or circumstances of use or storage or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstances or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.