

IDENTITY (As Used on Label and List)

Bonide Annual Insect Control with SYSTEMAXX
Grub Beater "it's that simple"

ID No. 2285014

Date: January 17, 2013

Section I

Bonide Products, Inc. (800) 424-9300
6301 Sutliff Rd. (315) 736-8231
Oriskany, NY 13424

Section II - Hazardous Ingredients/Identity

Hazardous Components (Specific Chemical Identity: Common Name(s)	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Imidacloprid CAS #138261-41-3			None	.5%
*Pyrethroid Pesticide family				

EMERGENCY OVERVIEW - WARNING! Harmful if swallowed. Harmful if absorbed through skin. Avoid breathing dust or vapor. Causes eye irritation.

Section III – First Aid Measures

EYES: Flush with plenty of water. Get medical attention if irritation occurs and persists.

SKIN: Wash thoroughly with plenty of soap and water.

INGESTION: Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. If any discomfort persists, obtain medical attention.

INHALATION: Remove to fresh air. If breathing difficulty or discomfort occurs and persists, obtain medical attention.

NOTES TO MEDICAL DOCTOR: No specific antidote is available. Treat patient symptomatically.

MEDICAL CONDITIONS AGGRAVATED: None presently known.

Section IV – Fire/Explosion Measures

FLASH POINT: N/A

EXTINGUISHING MEDIA: Foam, CO2 or dry chemical. Soft stream water fog only if necessary. **FIRE /**

EXPLOSION HAZARDS: Can burn in fire releasing irritating and toxic gasses due to thermal decomposition or combustion.

FIRE FIGHTING PROCEDURES: Isolate fire area. Evacuate downwind. Fight fire from upwind a safe distance to avoid hazardous vapors and decomposition products. Cool closed containers exposed to fire with water spray. Wear full protective clothing and self-contained breathing apparatus. Do not breathe smoke, gases or vapors generated. Contain all runoff.

Section V –Accidental Release Measures

Isolate and post spill area. Wear protective clothing and personal protective equipment as prescribed in Section VII. Keep unprotected persons and animals out of the area. Prevent material from contaminating soil or from entering sewage and drainage systems and bodies of water. Avoid dust formation and avoid breathing dust. Use recommended protective equipment and carefully sweep up spilled material, placing it in a covered container for reuse or disposal. Scrub the contaminated area with soap and water followed by a water rinse. Use dry absorbent material to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed of.

Section VI - Handling And Storage

GENERAL PROCEDURES: Store in a cool, dry, well-ventilated place. Do not use or store near heat, open flame or hot surfaces. Store in original containers only. Hazard to humans and domestic animals. Avoid Contact. Keep out of reach of children and animals. Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal. This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in area where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Section VII– Exposure Controls/Personal Protection

EYES AND FACE: For dust exposure, wear chemical protective goggles, face shield or safety glasses.

RESPIRATORY: Avoid breathing dust or vapor. Use only with adequate ventilation or protective equipment. Respirator use and selection must be based on airborne concentrations.

GLOVES: Wear chemical protective gloves made of materials such as rubber or neoprene. Thoroughly wash the outside of gloves with soap and water prior to removal. Inspect regularly for leaks.

PROTECTIVE CLOTHING: Long-sleeved shirt and long pants.

For large exposures as in the case of spills, wear full body cover barrier suit, such as a PVC suit. Leather items - such as shoes, belts and watchbands - that become contaminated should be removed and destroyed. Launder all work clothing before reuse (separately from household laundry). Heavily soiled clothing should not be reused.

WORK HYGIENIC PRACTICES: Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking or using tobacco. Shower at the end of the workday.

ENGINEERING CONTROLS: Use local exhaust at all process locations where dust may be emitted. Ventilate all transport vehicles prior to unloading.

Section VIII - Physical/Chemical Characteristics

PHYSICAL FORM: Solid

COLOR: Grayish – brown granule

ODOR: none

BULK DENSITY: .66 g/ml

pH: NA

SOLUBILITY IN WATER: Insoluble

Section IX – Stability & Reactivity Data

CONDITIONS TO AVOID: Excessive heat and fire.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride and hydrogen cyanide and oxides of nitrogen and carbon.

STABILITY: Stable but may decompose if heated.

POLYMERIZATION: Will not occur **INCOMPATIBILITY:** None known

Section X - Toxicological Information

DERMAL LD₅₀: >2000 mg/kg (rabbit) **ORAL LD₅₀:** >4,820 mg/kg (rat)

CARCINOGENICITY: IARC: Not listed, NTP: Not listed, OSHA: Not listed

MUTAGENIC DATA: No evidence of mutagenic effects during in vivo and in vitro assays.

Not known to cause reproductive or birth defects at normal exposure levels.

Section XI - Ecological Information

Unless otherwise indicated, the data presented below are for the active ingredient.

This product is highly toxic to Aquatic invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters.

Section XI - Disposal Information

DISPOSAL METHOD: Do not contaminate water food or feed by disposal. Pesticide wastes are toxic. If spilled material cannot be disposed of by use according to label instructions, an acceptable method of disposal is to incinerate in accordance with local, state and national environmental laws, rules, standards and regulations. However, because acceptable methods of disposal may vary by location and regulatory requirements may change, the appropriate agencies should be contacted prior to disposal. **EMPTY CONTAINER:** Completely empty package into application equipment then dispose of empty package in accordance with all Federal, State and local regulations. If burned stay out of smoke.

Section XII - Transport Information

U.S. DOT Proper Shipping name: Not regulated by DOT

DOT Hazard Class or Division: N/A

DOT UN/NA Number: N/A

REPORTABLE QUANTITY (RQ): N/A

DOT Emergency Response Guide: N/A

MARINE POLLUTANT: Not listed

Section XIII - Regulatory Information

UNITED STATES - SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355): Not listed

SECTION 311 HAZARD CATEGORIES (40 CFR 370): Immediate.

SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR 370): N/A

SECTION 313 REPORTABLE INGREDIENTS (40 CFR 372): None

CERCLA RQ: Not listed

STATE REGULATIONS

PROPOSITION 65 STATEMENT: Not listed.

KEEP OUT OF REACH OF CHILDREN.

ABBREVIATION KEY

N/A: NOT AVAILABLE OR APPLICABLE

N/E: NOT ESTABLISHED

ND: Not Determined

TLV: THRESHOLD LIMIT VALUE

TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY

STEL: SHORT TERM EXPOSURE LIMIT

D.O.T.: DEPARTMENT OF TRANSPORTATION

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