

Bonide Guard & Grow

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be consulted
for specific requirements.

U.S Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

Bonide Guard & Grow

ID No. 538832064

Date: August 9, 2007

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	.22%

Section III - Physical/Chemical Characteristics

PHYSICAL FORM: Solid **COLOR:** Grayish – brown granular
ODOR: none **BULK DENSITY:** .66 g/ml
pH: 6.48 **SOLUBILITY IN WATER:** Insoluble

Section IV- Health Hazard Information

ROUTES OF ENTRY: Inhalation, Eyes, Skin, Ingestion.

EYES: Causes eye irritation.

INHALATION: Avoid breathing dust or vapor.

SKIN: Harmful if absorbed through skin. Avoid Contact.

INGESTION: Harmful if swallowed.

MEDICAL CONDITIONS AGGRAVATED: None presently known.

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

Section V – First Aid

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.

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. Keep out of reach of children and animals. Always practice good hygiene when working with this or any chemical.

PERSONAL PROTECTIVE EQUIPMENT:

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. **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:** Depending upon concentrations encountered, wear coveralls or long-sleeved uniform and head covering. Launder all work clothing before reuse (separately from household laundry). **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 VII – Fire/Explosion Data

FLASH POINT: N/A

EXTINGUISHING MEDIA: Foam, CO₂ or dry chemical. Soft stream water fog only if necessary. Contain all runoff.

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.

Section VIII - 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 IX - Toxicological Information

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

Section X - 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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