

IDENTITY (As Used on Label and List)

Bonide Systemic Rose & Flower Care

ID No. 2285874

Date: June 13, 2011

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%

EMERGENCY OVERVIEW-

WARNING- Harmful if swallowed. Avoid contact with eyes skin clothing. Avoid breathing dust.
KEEP OUT OF THE REACH OF CHILDREN.

Section III – 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: Sip a glass of water if possible. 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 IV – Fire-Fighting Measures

FLASH POINT: N/A NFPA - H-1 , F-1, R-1

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 V – Accidental Release Information

SPILL OR LEAK PROCEDURES: Avoid contact with spilled material. Wear appropriate personal protective equipment. Sweep up spilled product carefully avoid creating dust. Reuse material or place in container for disposal. Do not allow material to enter streams, sewers or other waterways.

Section V - Handling and Storage

STORAGE: Store in a cool, dry, well-ventilated place away from water sources and food. 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.

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

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).

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

Section VI - Physical/Chemical Characteristics

PHYSICAL FORM: Solid	COLOR: grey to brown granule
ODOR: none	BULK DENSITY: 38 #/cu. ft.
pH: N/A	SOLUBILITY IN WATER: Insoluble

Section VII- Health Hazard Information

ROUTES OF ENTRY: Inhalation, Eyes, Skin, Ingestion.
 EYES: Causes moderate 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 VIII – 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 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 Not Regulated under RCRA

Section XIII - Regulatory Information

UNITED STATES - SARA TITLE III –Not listed
 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	

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.