

Material Safety Data Sheet

Section 1 – Product Identification

Product Name: Fruit Tree & Vegetable Systemic
Soil Drench

Manufactured for: Lawn and Garden Products, Inc.
P.O. Box 35000
Fresno, CA 93745-5000
(559) 499-2100
Emergency – (559) 994-9144

EPA Registration #: 53883-275-54705

EPA Establishment #: 48498-CA-1

Section 2 – Chemical Composition

| Material | CAS # | % by Weight | OSHA PEL/ACGIH TLV |
|-------------------|-------------|-------------|--------------------|
| Imidicloprid | 138261-41-3 | 0.235% | None Established |
| Inert Ingredients | N/A | 99.765% | None Established |

Section 3 – Hazard Identification

Symptoms of Toxicity: Chloronicotinyl insecticide. May produce neurotoxic effects including staggering gait, muscle tremors and convulsions.

Flammability: Non-flammable.

Reactivity: Stable under normal conditions.

Carcinogenicity: No evidence of carcinogenicity in long term animal studies.

Section 4 – First Aid

Eye Contact: Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.

Dermal Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center for treatment advice if irritation persists.

Inhalation: Move person to fresh air. If person is not breathing, give artificial respiration. Call a poison control center for further treatment advice.

Ingestion: Call poison control center immediately for treatment advice. Do not induce vomiting unless directed to do so by a poison control center. Do not give anything by mouth to an unconscious person.

Notes/Physician's Information: Contact the National Pesticide Information Center at (800) 858-7378 for emergency medical treatment information.

Section 5 – Fire and Explosion Hazards

Flash Point: Will not flash. Upper Flammability Limit: N/A

Extinguishing Media: Foam, dry chemical, CO₂, water fog Lower Flammability Limit: N/A

Special Procedures: Use SCBA with full-face piece and protective clothing.

Unusual Fire Hazards: Possible toxic smoke, vapors, fallout and runoff water can result from fires.

Reactivity/Stability: Toxic and irritating gasses may form when heated. Hazardous polymerization will not occur.

Section 6 – Spill/Release Procedures

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| Absorbent: | Universal absorbent pads, vermiculite, absorbent booms, or clay granules. |
| Containment: | Do not discharge into municipal wastewater or public storm drains. Eliminate runoff as much as possible. |
| Waste Disposal: | Dispose of contaminated material in municipal land fill or through licensed TSDF. Not a hazardous waste under RCRA, 40 CFR 261. |
| Reporting: | Report all major spills and uncontrolled releases to proper local, state, and federal agencies. |
| Emergency Contact #: | Chemtrec: 1-800-424-9300 |

Section 7 – Storage and Handling Instructions

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| Storage Conditions: | Do not store near foodstuffs or feed. Store in a cool, dry, well-ventilated area away from flammable materials and sources of heat. Keep away from oxidizing agents and alkaline material. |
| Special Handling Considerations: | Exercise caution to prevent damage to or leakage from the container. Workers should follow good hygiene practices to avoid accidental ingestion. |
| Container Disposal: | If empty: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. If partly filled: Call your local solid waste agency for disposal instructions. Unless otherwise instructed, place in trash. Never pour unused product down the drain or on the ground. |

Section 8 – Protective Equipment/Engineering Controls

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| Eye Protection: | None required. ANSI approved safety goggles or glasses with side shields are recommended. |
| Respiratory Protection: | None required. Use OSHA approved air purifying respirator with P100 cartridge. |
| Dermal Protection: | Gloves, long sleeves, pants and shoes. |
| Engineering Controls: | Use only in adequately ventilated areas. |

Section 9 – Physical Data

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| Odor: | Very slight | Melting Point: | 32°F |
| Physical State: | Liquid | Flash Point: | Will not flash. |
| Color: | Opaque off-white | Specific Gravity: | 1.086 g/ml |
| Bulk Density: | See specific gravity | pH: | 7.1-7.5 |
| Vapor Pressure: | 1.5×10^{-9} mmHg (Imidacloprid) | Water Solubility: | 0.51 g/L |
| Viscosity: | 300 cps @ 20°C | Refractive Index: | N/A |

Section 10 – Toxicity

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| EPA Toxicity Category: | “Caution” label required | Oral LD ₅₀ : | >4870 mg/kg |
| Skin Contact: | Non-irritating. | Dermal LD ₅₀ : | >2000 mg/kg |
| Eye Contact: | Slightly irritating. | Inhalation LC ₅₀ : | >5.33 mg/l (4 hour) |
| NFPA Classification: | Fire - 0 | Health - 1 | |
| | Reactivity - 0 | Special - none | |
| Other Comments: | Avoid cross contamination. Always wash hands thoroughly after handling pesticides and before eating, drinking, or smoking. | | |

Section 11 – Ecological Data

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| Aquatic: | N/A |
| Avian: | N/A |
| Bioaccumulation: | N/A |
| Summary: | This product is toxic to aquatic invertebrates. Use according to label directions and keep out of aquatic habitats. |

Section 12 – Transportation

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| DOT: | Not regulated. |
| IATA: | Not regulated. |
| IMDG: | UN3082, Environmentally hazardous substance, liquid n.o.s (gamma cyhalothrin), Class 9, PG III, marine pollutant |

Section 13 – Regulatory

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| Section 302/TPQ: (emergency planning) | Contains no components listed under section 302. |
| Section 304/EHS RQ: (release notification) | Contains no components listed under section 304. |
| CERCLA RQ: (release notification) | Not regulated under CERCLA. |
| Section 311/Tier II: (MSDS submission) | Acute health hazard. |
| Section 313/TRI Chemicals: | Contains no components listed under section 313. |
| RCRA Haz-Waste | Not an RCRA hazardous waste. |
| Code(s): | |
| CAA TQ: (air emissions) | Not regulated under CAA. |
| Proposition 65 (CA): | Not listed. |

Section 14 – Other

NFPA and HMIS ratings assigned to this product are based on the hazards of its ingredient (s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.

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