

Material Safety Data Sheet

Xytect 10% Infusible Insecticide

Rainbow Treecare Scientific Advancements
11571 K-Tel Drive
Minnetonka, MN 55343

In Case of Emergency, Call:
CHEMTREC 1-800-424-9300
Product information:
1-877-272-6747

Section 1: Product Identification

Product Trade Name: Xytect Injectable Insecticide
EPA Signal Word: CAUTION
Active Ingredient (% w/w): Imidacloprid Technical (10%)
CAS No.: 138261-41-3
Chemical Name: 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinime
Chemical Class: Insecticide
EPA Registration Number: 74779-11

Section 2: Composition/Information on Ingredients

Material:	OSHA/PEL	ACGIH/TLV	% Ingredients
Imidacloprid*	N/A	N/A	10.0
Tetrahydrofurfuryl alcohol	N/A	N/A	Proprietary

*Active Ingredient(s)

**Other ingredients are any substances other than an active ingredient contained in this product. Other ingredients are either non-hazardous or remain proprietary. Hazards that may be associated with other ingredients are addressed in this document.

Section 3: Hazards Identification

Symptoms of Exposure: Skin and eye contact are the most likely routes of exposure. Causes eye irritation. Slightly irritating to skin.

Routes of Entry: Inhalation, skin and through ingestion.

Carcinogenicity: Not listed: NTP IARC, and OSHA

Section 4: First Aid Measures

INGESTION: 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. Do not give anything by mouth to an unconscious person.

SKIN CONTACT: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice, if irritation develops.

EYE CONTACT: Hold eye open and rinse slowly and gently with water for 15 – 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

INALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may contact CHEMTREC at 800-424-9300 for emergency treatment information.

NOTE TO PHYSICIAN: There is no specific antidote available. Treat patient symptomatically.

Section 5: Fire Fighting Measures

FLASH POINT: 192°F (89°C) **METHOD:** Pensky-Martens closed cup

FLAMMABILITY LIMITS: UEL: 1.5 LEL: 9.7

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical, or foam.

SPECIAL EXPOSURE HAZARDS: Use self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

PRODUCTS OF COMBUSTION AND DECOMPOSITION: See Section 10 – Stability and Reactivity.

Section 6: Accidental Release Measures

Personal Precautions: See Section 8 – Exposure Controls/Personal Protection

Environmental Precautions: Product is highly toxic to aquatic invertebrates. Do not allow material to enter streams, sewers, or other waterways.

Spill or Leak Procedures: Stop spill source at once. Dike area and contain. If possible, pump liquid into salvage tank. Remaining residue may be taken up with absorbent material and shoveled into containers. Evaporate until all vapors are gone. Dispose of in accordance with all State and Federal regulations.

Section 7: Handling and Storage

Store in an upright position, above 45° F, in a cool, dry place. Do not contaminate water, food, feed by storage or disposal. Wash thoroughly with soap and water after handling.

Section 8: Exposure Controls/Personal Protection

Respiratory Protection: Not normally needed.

Eye Protection: Wear protective eyewear.

Ventilation: Use where adequate ventilation is available.

Other Protective Devices and Procedures: Wear chemical resistant gloves, such as polyethylene or butyl rubber, neoprene rubber, or Viton. Wear long sleeved shirt and long pants, shoes plus socks.

Section 9: Physical and Chemical Properties

Appearance:	Clear, yellow colored liquid
Odor:	Fruity fragrance
pH:	5.40
Boiling Point:	352°F (178°C)
Melting Point:	NA
Vapor Pressure:	0.2 mmHg @ 68°F (20°C)
Vapor Density:	2.7 (air = 1)
Specific Gravity:	1.109 g/mL
Density:	1.107 g/ml
Evaporation Rate:	Slow (< 0.01)
Solubility in Water:	Limited

Section 10: Stability and Reactivity

Chemical Stability:	Product is stable at normal ambient temperature.
Conditions to Avoid:	Heat, sparks, or open flame
Incompatibility (Materials to Avoid):	Oxidizers
Hazardous Decomposition Products:	Combustion produces carbon monoxide, carbon dioxide and sulfur oxides
Hazardous Polymerization:	Will not occur.

Section 11: Toxicology Information

Acute oral LD50:	Male and female rat LD50 >2000mg/kg
Acute dermal LD50:	Male and female rat LD50 >2000mg/kg
Primary eye Irritation:	Mildly irritating to the rabbit eye.
Primary Skin Irritation:	Classified as slightly irritating to rabbit skin. Primary Dermal Irritation Index (PDII) = 1.2

Section 12: Ecological Information

Aquatic invertebrates: EC50 ≤ 1 ppm (Imidacloprid Technical)

Section 13: Disposal Considerations

Applicators must dispose of any unused product as the label indicates.

Disposal Methods: Do not reuse original product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

Section 14: Transport Information

PROPER SHIPPING NAME:	Imidacloprid 10%
HAZARD CLASS:	Non-Regulated
PACKING GROUP:	N/A
DOT (Domestic Surface):	Not regulated
IMO (Ocean):	Not regulated
ICAO and IATA (Air):	Not regulated

Section 15: Regulatory Information

Regulations Under FIFRA: All pesticides are governed under FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides.

This includes waste streams, spills, misuse, or storage of large quantities of products containing hazardous or extremely hazardous substances.

Other U.S. Federal Regulations:

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

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

CERCLA: Reportable Quantity not applicable.

California Addendum (Proposition 65) Safe Drinking Water and Toxic Enforcement Act of 1986.

The following specific warnings are hereby given relative to substances that the State of California has identified as carcinogens and/or reproductive hazards under Proposition 65:

WARNING: This product contains a chemical known to the State of California to cause cancer.

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

SARA TITLE III HAZARD CATEGORY: For reporting under Section 311 & 312

Components present in this product that require reporting under the statute are: None

Section 16: Other Information

HAZARD RATINGS: NFPA

Health	1 (Slight)
Flammability	1 (Slight)
Reactivity	1 (Slight)

MSDS Issue Date: December 2011

For any non-emergency questions about this product call: 1-877-272-6747

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, either expressed or implied, is made with respect to the information contained herein.