



# Adonis™ 75 WSP Insecticide

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Equil Adonis™ 75 WSP Insecticide  
**EPA Reg. Number:** 87276-4  
**Chemical Name:** 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine  
**Chemical Formula:** C<sub>9</sub>H<sub>10</sub>ClN<sub>5</sub>O<sub>2</sub>

#### COMPANY IDENTIFICATION:

Envincio LLC  
501 Cascade Pointe Lane, Suite 103  
Cary, NC 27513  
www.envincio.com

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>ACTIVE INGREDIENTS</u>	<u>CAS NO.</u>	<u>% COMPOSITION</u>
Imidacloprid	138261-41-3	75

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

### 3. PHYSICAL DATA

**APPEARANCE AND ODOR:** Light brown solid powder  
**ODOR:** None  
**pH:** 6.5-7.5 Determined as a 1% suspension in distilled water.  
**WATER SOLUBILITY:** Dispersible  
**BULK DENSITY:** 26.5 lbs/ft<sup>3</sup>

### 4. HAZARD IDENTIFICATION

Harmful if swallowed, inhaled, or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep children and pets away from treated area until dry. When treating adjacent to an existing structure, the applicator must check the area to be treated, and immediately adjacent areas of the structure, for visible and accessible cracks and holes to prevent any leaks or significant exposures to persons occupying the structure. People present or residing in the structure during application must be advised to remove their pets and themselves from the structure if they see any signs of leakage.

After application, the applicator is required to check for leaks. All leaks resulting in the deposition of termiticide in locations other than those prescribed on this label must be cleaned up prior to leaving the application site. Do not allow people or pets to contact contaminated areas or to reoccupy contaminated areas of the structure until the clean-up is completed.

### 5. FIRST AID

**IF SWALLOWED:** 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.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF IN EYES:** 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.

Have the product container or label with you when calling a poison central center or doctor, or going for treatment. You may also contact 1-866-257-4118 for emergency medical treatment information.

**NOTE TO PHYSICIAN:** No specific antidote is available. Treat patient symptomatically.

### 6. FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** >93.3°C/>199.9°F

**FLAMMABLE LIMITS (LFL-UFL):** Unknown

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

**MEANS OF EXTINCTION:** Use water, carbon dioxide (CO<sub>2</sub>), foam, dry chemical.

**FIRE FIGHTING INSTRUCTIONS:** Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Cool closed containers exposed to fire with water spray. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical extinguishing systems are preferred to prevent environmental dam-



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age due to runoff. Equipment or materials involved in pesticide fires may become contaminated.

**FIREFIGHTING EQUIPMENT:** Self-contained breathing apparatus with full face piece.

**HAZARDOUS COMBUSTION PRODUCTS:** Hydrogen cyanide, hydrogen chloride, carbon monoxide and nitrogen oxide.

NFPA Rating

Health	1
Flammability	1
Reactivity	1
Other	0

### 7. REACTIVITY DATA

**CONDITIONS TO AVOID:** Extreme Temperatures.

**CHEMICAL STABILITY:** Stable under recommended storage conditions.

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

**INCOMPATIBILITY WITH OTHER MATERIALS:** None known.

### 8. SPILL OR LEAK PROCEDURES

Clean up spills immediately observing the precautions in Section 8 of this MSDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Do not walk through spilled material and avoid breathing vapors and skin contact. Do not allow material to enter streams, sewers or other waterways or to contact vegetation. Avoid dust formation. Avoid breathing dust.

For large spills, material should be recovered. For small spills, absorb with absorbent granules, spill control pads or other absorbent material. Carefully sweep up absorbed spilled material and place in covered container for disposal. Scrub contaminated area with soap and water and use dry absorbent granules to collect wash solution for disposal. Contaminated soil may have to be removed and disposed.

### 9. PERSONAL PROTECTION INFORMATION

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Pesticide handlers (mixers, loaders, and applicators) must wear:

- Long-sleeved shirt and long pants

- Chemical resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton

- Shoes plus socks

After the product is diluted in accordance with label directions for use, shirt, pants, socks, shoes must be worn. In addition: all pesticide handlers must wear protective eyewear when working in a non-ventilated space or when applying termiticide by rodding or sub-slab injection.

### 10. HANDLING AND STORAGE

Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Do not store below freezing (32°F). Exposure to moisture or excessive handling of water soluble packets may cause breakage. Store water soluble packets in original container and out of reach of children, preferably in a locked storage area.

### 11. TOXICOLOGICAL INFORMATION

**ORAL LD<sub>50</sub>** (rat): 1858 MG/KG

**DERMAL LD<sub>50</sub>** (rat): > 2000 mg/kg

**INHALATION LC<sub>50</sub>** (rat): 2.65 mg/L

**EYE IRRITANT** (Rabbit): Mild

**SKIN IRRITATION** (Rabbit): Slightly Irritating

**SENSITIZATION** (Guinea Pig): Not a Contact Sensitizer

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**  
None known.

**CARCINOGENICITY:**

ACGIH: Not listed

IARC: Not listed

NTP: Not listed

OSHA: Not listed



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

**NEUROTOXICITY:** In acute and subchronic neurotoxicity screening studies in rats, imidacloprid produce slight neurobehavioral effects in each study at the highest dose tested. There were no correlating morphological changes observed in the neural tissues.

**ADDITIONAL DATA:** Not known to cause reproductive or birth defects at normal exposure levels.

### **12. ECOLOGICAL INFORMATION**

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 washwaters. Apply this product only as specified on this label. Extreme care must be taken to avoid runoff. Apply only to soil or other fill substrate that will accept the solutions at the specified rate. Do not treat soil that is water-saturated or frozen, or in any conditions where runoff or movement from the treated area (site) is likely to occur.

### **13. DISPOSAL CONSIDERATIONS**

**DO NOT CONTAMINATE WATER, FOOD OR FEED BY DISPOSAL.**

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site (in the treatment area) or at an approved waste disposal facility.

**CONTAINER HANDLING:** Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill, by incineration or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

### **14. SHIPPING INFORMATION**

**DOT PROPER SHIPPING NAME:** Not Regulated by DOT

**DOT HAZARD CLASS OR DIVISION:** N/A

**DOT UN/NA NUMBER:** N/A

**DOT PACKING GROUP:** N/A

**REPORTABLE QUANTITY:** N/A

**MARINE POLLUTANT:** Not Listed

**DOT EMERGENCY RESPONSE GUIDE:** N/A

**COMMENTS: SIGNAL WORD:** CAUTION

### **15. REGULATORY INFORMATION**

**FIFRA –**

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

**SARA Title III – Section 302 Extremely Hazardous Substances**  
Not Listed

**SARA Title III – Section 311/312 Hazard Categories**  
Immediate

**SARA Title III – Section 312 Threshold Planning Quantity**  
N/A

**SARA Title III – Section 313 Reportable Ingredients**  
None

**CERCLA – None Listed**

**CALIFORNIA PROP 65 STATUS – Not listed**

**CLEAN WATER SECTION 307 PRIORITY POLLUTANTS:** None  
**SAFE DRINKING WATER ACT MAXIMUM CONTAMINANT LEVELS:** None

**INTERNATIONAL REGULATIONS**

**EU Classification:** None

**European Inventory of Existing Commercial Substances (EINECS):** None



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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

All information contained in this Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Material Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee expressed or implied is made by Envincio LLC as to the results to be obtained based upon your use of the information, nor does Envincio LLC assume any liability arising out of your use of the information.

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