

MATERIAL SAFETY DATA SHEET

Phoenix Environmental Care, LLC General Information No. 229-245-8845

P.O. Box 370 In Case of Emergency, Call

Valdosta, GA 31603-0370 PROSAR: 888-875-1724

I. PRODUCT IDENTIFICATION

Product Name: Hawk-I 75 WSP

Active ingredient: Imidacloprid (75.0%)

Active Ingredient IUPAC Name: 1-[(6-chloro-3-pyridinyl) methyl]-N-nitro-2-imidazolidinime

II. HAZARDOUS INGREDIENTS

The substances listed below are those identified as hazardous chemicals under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

<u>Component</u> <u>CAS No.</u> Imidacloprid 138261-41-3

III. PHYSICAL & CHEMICAL PROPERTIES

Physical Description: White to gray powder Odor: No appreciable odor Bulk Density: 30-35 lbs/cu ft

pH: 6.7

Vapor Pressure: 1.5 x 10⁻⁹ mmHg @ 20 °C

Water Solubility: Dispersable

IV. FIRE FIGHTING MEASURES

Flash Point: Will not flash
Flammable Limits: LFL: Unknown

UFL: Unknown

Fire and Explosion Hazards: Can burn in fire, releasing irritating and toxic gases due to thermal

decomposition or combustion.

Extinguishing Media: Use foam, dry chemical, carbon dioxide, or water spray when fighting

fires involving this material.

Fire Fighting Instructions: Evacuate area and fight fire upwind from a safe distance to avoid

hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent

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environmental damage from excessive water run off.

Fire-Fighting Equipment: Self-contained breathing apparatus with full facepiece.

Hazardous Combustion Products: Hydrogen cyanide, Hydrogen chloride, Carbon monoxide, Nitrogen

oxides.

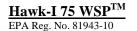
V. HAZARDS IDENTIFICATION SUMMARY

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

Health Hazards: Mildly irritating to the eyes and skin. May be harmful if swallowed.

Physical Hazards: Can decompose at high temperatures releasing toxic gases.

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Environmental Hazards: Extremely toxic to fish, water organisms and bees. Keep out of

waterways.

VI. FIRST AID MEASURES

If Swallowed: Call physician or Poison Control Center immediately. Drink 1 or 2

glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an

unconscious person.

If in Eyes: Immediately flush eyes with water for at least 15 minutes. Get medical

attention if irritation persists

If Inhaled: Remove victim to fresh air. Get medical attention if symptoms develop.

If on Skin: Remove contaminated clothing. Wash skin with plenty of soap and

water. Get medical attention if irritation persists.

Note to Physician: No specific antidote available, treat symptomatically.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

VII. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions in Section VIII of this document. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Small Spill: Vacuum or sweep up material and place in a container for reuse or disposal.

Large Spill: Avoid creating dust cloud. Vacuum or sweep up material and place in a container for reuse or

disposal. Reduce airborne dust and prevent scattering by moistening with water. Pick up wash liquid with additional absorbent and place in a disposable container. After removal, flush

contaminated area thoroughly with water.

This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

VIII. HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

Handling: Use only in a well-ventilated area. Minimize dust generation and accumulation.

Storage: Keep container closed when not in use. Keep away from food, feed and drinking water. Store in

a well ventilated dry place away from heat.

IX. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits (8 HOUR TWA): (Refer to Section V)

Engineering Controls:

Proper ventilation is required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

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Personal Protective Equipment:

Eye Protection: Safety goggles

Clothing: Long-sleeved shirt and long pants, Chemical-resistant footwear plus

socks

Gloves: Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile

rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC),

viton

Respirator: Not required when handled under normal conditions. When handling in

enclosed areas with inadequate ventilation, use a dust/mist filtering

respirator (MSHA/NIOSH approval number prefix TC-21C)

Discard clothing and other absorbent materials that have been heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommendations:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

X. STABILITY AND REACTIVITY

Chemical Stability: Stable, however may decompose if heated.

Conditions to Avoid: Avoid temperatures above 100°F (38°C) for prolonged period of time.

Strong exothermal reaction can occur above 390°F (200°C)

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Incompatibility with Other Materials: None known.

Hazardous Decomposition Products: Hydrogen chloride, Oxides of nitrogen and carbon.

Hazardous Polymerization: Product will not undergo polymerization.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity:

 $\begin{array}{lll} \text{Oral LD}_{50} \ (\text{rat}): &> 4,500 \ \text{mg/kg} \\ \text{Dermal LD}_{50} \ (\text{rat}): &> 2,000 \ \text{mg/kg} \\ \text{Inhalation LC}_{50} \ (\text{rat}): &> 5.0 \ \text{mg/L} \\ \text{Eye Irritation (rabbit):} &\text{Mild} \\ \text{Skin Irritation (rabbit):} &\text{Slight} \end{array}$

Sensitization (guinea pig): Non-sensitizer

Carcinogen Status:

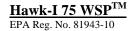
OSHA: Not listed NTP: Not listed IARC: Not listed

Mutagenic Data: Little or no evidence of mutagenic effects during in vivo or in vitro

studies.

Additional Data: No reproductive or teratogenic (birth defect) effects at normal exposure

levels.



XII. ECOLOGICAL INFORMATION

Environmental Summary: This product is highly toxic to aquatic invertebrates. Keep out of water bodies.

Extremely toxic to bees by direct exposure or residues on treated crop. Do not

apply to or allow drift on blooming crops that bees may visit.

Fish Toxicity: (Technical)

96 hour LC₅₀: Rainbow trout - 211 mg/L 96 hour LC₅₀: Bluegill - unknown

Avian Toxicity: (Technical)

Oral LD_{50} : Bobwhite quail - 152 mg/Kg Oral LD_{50} : Mallard duck - unknown

Bee Toxicity:

Contact LD₅₀: Highly toxic.

XIII. DISPOSAL CONSIDERATIONS

Waste: Pesticide wastes are toxic. Dispose of in accordance with applicable Federal,

state and local laws and regulations.

Container: Completely empty container into processing equipment. Then dispose of empty

container in sanitary landfill or by incineration, or if allowed by State and local

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authorities, by burning. If burned, stay out of smoke.

XIV. TRANSPORT INFORMATION

DOT Shipping Description: Not regulated (all sizes)

DOT Hazard Class:

UN Number:

N/A

DOT Packing Group:

N/A

DOT Primary/Secondary Label:

N/A

DOT Primary/Secondary Placard:

N/A

DOT Emergency Response Guide No.:

N/A

XV. REGULATORY INFORMATION

CERCLA Reportable Quantity: No components listed

SARA TITLE III Status: -

311/312 Hazard Categories Immediate Health Hazard

313 Toxic Chemicals None

XVI. OTHER INFORMATION

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