

MATERIAL SAFETY DATA SHEET

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Sanmite® 75WP

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

Sanmite® 75WP

PRODUCT DESCRIPTION: Miticide/Insecticide

MANUFACTURER

The Scotts Company
Earthgro - Hyponex - Miracle Gro - Scotts
Scotts Sierra - Swiss Farms
14111 Scottslawn Road
Marysville, OH 43041

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
International: 1-703-527-3887
Emergency Phone: 1-937-644-0011

EPA REG. NO.:

7969-106 PN: 95180

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Pyridaben	96489-71-3	None	None

COMMENTS:

Product contains 75% Pyridaben and 25% inert material. This formulation also contains kaolin. Kaolin contains small amounts of crystalline silica and this formulation may contain more than 0.1% crystalline silica. The ACGIH Threshold Limit Values (TLV) for nuisance (inert) dusts containing < 1% crystalline silica and no asbestos are: 10 mg/m³ inhalable particulates and 3 mg/m³ respirable particulate. The OSHA TLV is 15 mg/m³ total dust, 5 mg/m³ respirable fraction.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS:

- May be fatal if inhaled. Do not breathe dust or spray mist.
- Harmful if swallowed or absorbed through skin. Avoid contact with skin.
- Do not get in eyes or on clothing.
- Wear goggles, face shield or safety glasses. Wash thoroughly with soap and water after handling

4. FIRST AID MEASURES

EYES:

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. Call a poison control center or doctor for treatment advice.

SKIN:

If on skin or clothing, 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.

INGESTION:

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 by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION:

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

NOTES TO PHYSICIAN:

This compound does not cause any definitive symptoms that would be diagnostic. No specific antidote is available. Treat the patient symptomatically.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Dry chemical, water fog, foam, CO₂.

EXPLOSION HAZARDS:

Explosive dust/air mixtures can form in atmospheres as low as 9% oxygen. Ignition energy required is as low as 15 millijoules. Typical dust/air mixtures capable of exploding contain 40g per cubic meter.

FIRE FIGHTING PROCEDURES:

Use self-contained air supply. Contain run-off.

AUTOIGNITION TEMPERATURE:

Exotherm initiation temperature (Greiner oven): 394 C.

HAZARDOUS DECOMPOSITION PRODUCTS:

HCl, NO_x, SO_x, CO

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES:

Emergency response workers should use SCBA with Level B protection if dusts will be generated. Dry material may be recovered and returned to original container for use. Dike and contain spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal. Keep the spill out of all sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING:

PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions For Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170.

Wash hands with soap and water after handling product. Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water sources when disposing of equipment wash waters. Keep out of lakes, streams, or ponds. **KEEP OUT OF REACH OF CHILDREN.**

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, protective eyewear, shoes and socks. For handling activities, use dust/mist filtering respiratory (MSHA/NIOSH approval numbers prefix TC-21-C) or NIOSH approved respirator with a N, P, R, or HE prefilter. Use Chemical-resistant headgear for overhead exposure.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not re-use 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.

STORAGE:

See Label. Do not contaminate water, food, or feed by storage or disposal. **KEEP AWAY FROM CHILDREN.**

Store in a cool, dry place away from heat or open flame. Package contains water-soluble bags inside a foil liner (overwrap). Do not remove the water-soluble bags from the overwrap except for immediate use. If all the water-soluble bags are not used, carefully reseal the overwrap. The water soluble bags may break if they are exposed to moisture, handled excessively, or handled with wet hands or wet gloves.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

For ventilation, dust collectors need to be designed to trap and hold the potentially explosive and toxic particles.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE:

Wear goggles, face shield, or safety glasses.

SKIN:

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and chemical-resistant footwear plus socks. See label for additional precautions and user safety recommendations.

RESPIRATORY:

For handling activities, use dust/mist filtering respiratory (MSHA/NIOSH approval numbers prefix TC-21C, or a NIOSH approved respirator with a NPR or HE filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:

Powder

ODOR:

Faint vanilla

COLOR:

Tan

pH:

8.7 to 8.8

MELTING POINT:

112°C (234°F)

SOLUBILITY IN WATER:

Dispersible

DENSITY:

13.45 -15.6 lb/cu ft

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

Heat and open flame.

STABILITY:

Stable under normal conditions; relatively unstable to light.

POLYMERIZATION:

Will not occur

INCOMPATIBLE MATERIALS:

Avoid contact with strong oxidizing agents.

COMMENTS:

Pyridaben is not an oxidizer and is not corrosive to metal.

11. TOXICOLOGICAL INFORMATION

ACUTE**EYES:**

Moderately irritating (rabbit).

DERMAL LD₅₀:

>2000 mg/kg (rat); Skin Irritation, Moderate (rabbit)

ORAL LD₅₀:

1930 mg/kg (rat).

INHALATION LC₅₀:

0.09 mg/L (4 hour, rat); 0.36 mg/L (calculated 1 hour, rat).

SENSITIZATION:

Not sensitizing

CARCINOGENICITY:**IARC:**

Yes

CARCINOGENICITY COMMENTS:

Minor Formulation Component - Overexposure to crystalline silica results in silicosis, a lung disease characterized by coughing, difficult breathing, wheezing, scarring of the lungs, and repeated, non-specific chest illness. The International Academy for Research on Cancer (IARC) has classified crystalline silica in Group 1 (those agents with evidence of carcinogenicity to humans).

TERATOGENIC EFFECTS:

Pyridaben was found not to be teratogenic in two species tested, but at a maternally toxic dose the compound did produce only slight non-specific development effects in one species.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA:

For active ingredient (Pyridaben):

Bobwhite Quail: Oral LD50 >2250 mg/kg.

Mallard Duck: Oral LD50 >2500 mg/kg.

ECOTOXICOLOGICAL INFORMATION:

This pesticide is toxic to fish and aquatic invertebrates. Keep out of lakes, streams, and ponds. Do not contaminate sewers or water sources by cleaning of equipment or with waste.

GENERAL COMMENTS:

Consult Label and Directions For Use for additional environmental hazards.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Disposal must be in accordance with Federal, state, and local regulations. Dispose of container in an approved waste facility.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)**PROPER SHIPPING NAME:**

Pesticides, solid, toxic, n.o.s., (pyridaben), 6.1, UN 2588, PG I

SPECIAL SHIPPING NOTES:

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

15. REGULATORY INFORMATION

UNITED STATES**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:****FIRE:**

YES PRESSURE GENERATING: NO REACTIVITY: NO ACUTE: YES CHRONIC: YES

16. OTHER INFORMATION

REVISION SUMMARY

New MSDS

NFPA CODES**HEALTH:**

4 FIRE: 3 REACTIVITY: 1

MANUFACTURER DISCLAIMER:

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