

1 Identification

1.1 Product identifier

· **Trade name:** *Nexter® WP Miticide/Insecticide*

· **CAS Number:**

Pyridaben (75.0%): 96489-71-3

Registration number PCP Registration No.: 25135

Group 21 Insecticide

· **Application of the substance / the mixture** *Agricultural Insecticide*

1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

Gowan Company

P.O. Box 5569

Yuma, Arizona 85366-5569

(800) 883-1844

· **Information department:** *sds@gowanco.com*

1.4 Emergency telephone number:

Chemtrec® Emergency Telephone 24 - Hours: (Spills, leak or fire) Inside U.S. & Canada: (800) 424-9300

Outside the U.S. & Canada: +011 (703) 527-3887

For medical emergency (Prosar®): (888) 478-0798

2 Hazard(s) identification

2.1 Classification of the substance or mixture

· **Classification according to Regulation (EC) No 1272/2008**



GHS06 Skull and crossbones

Acute Toxicity (Inhalation) - Category 2 H330 Fatal if inhaled.



GHS09 Environment

Aquatic Acute 1

H400 Very toxic to aquatic life.

Aquatic Chronic 1

H410 Very toxic to aquatic life with long lasting effects.

2.2 Label elements

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labeled according to the CLP regulation.

· **Hazard pictograms**



GHS06 GHS09

· **Signal word** *Danger*

· **Hazard-determining components of labeling:**

Pyridaben

· **Hazard statements**

H330 Fatal if inhaled.

H410 Very toxic to aquatic life with long lasting effects.

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- **Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P284 [In case of inadequate ventilation] wear respiratory protection.

P310 Immediately call a POISON CENTER/doctor.

P320 Specific treatment is urgent (see on this label).

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Hazard description:**

DANGER: FATAL IF INHALED. DO NOT BREATHE DUST, VAPOUR OR SPRAY MIST.
AVOID CONTACT WITH SKIN, EYES OR CLOTHING.

- **WHMIS-symbols:**

DIA - Very toxic material causing immediate and serious toxic effects



- **Information pertaining to particular dangers for man and environment:**

DANGER: fatal if inhaled. Do not breathe dust, vapour or spray mist.

Avoid contact with skin, eyes or clothing.

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**



Health = 4

Fire = 0

Reactivity = 0

HAZARD INDEX:

4 Severe Hazard

3 Serious Hazard

2 Moderate Hazard

1 Slight Hazard

0 Minimal Hazard

- **2.3 Other hazards**

- PBT: Not applicable.

- vPvB: Not applicable.

3 Composition/information on ingredients

- **3.2 Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

Pyridaben

75.0% w/w

Acute Toxicity (Oral) - Category 3, H301; Acute Toxicity (Inhalation) - Category 3, H331;

Aquatic Acute 1, H400; Aquatic Chronic 1, H410

* 4 First-aid measures

- **4.1 Description of first aid measures**

- **General information:**

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

You may also contact 1-888-478-0798 for emergency medical treatment information.

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- **After 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 poison control center or doctor for further treatment advice.
- **After 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.
- **After eye contact:**
 - Hold eye open and rinse slowly and gently with water for 15-20 minutes.
 - Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes.
 - Call a poison control center or doctor for treatment advice.
- **After swallowing:**
 - 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.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
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 40 g per cubic meter. Exotherm initiation temperature (Greiner oven): 394 °C
- **5.3 Advice for firefighters**
 - **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
May be fatal if inhaled. Do not inhale dust, vapour or spray mist. May irritate eyes. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling and before eating, drinking or smoking. Wear long-sleeved shirt, long pants, rubber boots, goggles, gloves (rubber, PVC, neoprene or nitrile), hat and a dust/mist filtering respirator during mixing, loading and application. **DO NOT** re-enter treated areas within 24 hours. If required, individuals may re-enter treated areas within 24 hours for short-term tasks not involving hand labour if at least 4 hours has passed since application and long pants, long-sleeved shirt, hat and chemical-resistant gloves are worn.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Ensure adequate ventilation.
Pick up mechanically.
Dispose contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

May be harmful if swallowed. Do not take internally. May be fatal if inhaled. Do not inhale dust, vapour or spray mist. May irritate eyes. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling and before eating, drinking or smoking. Wear long-sleeved shirt, long pants, rubber boots, goggles, gloves (rubber, PVC, neoprene or nitrile), hat and a dust/mist filtering respirator during mixing, loading and application.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool, dry place. This package contains water-soluble bags inside a foil liner (overwrap). The water-soluble bags dissolve in water and the contents will disperse. If all the water-soluble bags are not used, carefully reseal the overwrap. Each overwrap contains five water-soluble bags. Do not remove the water-soluble bags from the overwrap except for immediate use. If exposed to moisture, the water-soluble bags may break.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Keep receptacle tightly sealed.

7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

- Wash hands before eating, drinking, chewing gum, using tobacco, using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves** rubber, PVC, neoprene or nitrile

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- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Safety glasses

- **Body protection:**

Wear long-sleeved shirt, long pants, rubber boots, goggles, gloves (rubber, PVC, neoprene or nitrile), hat and a dust/mist filtering respirator during mixing, loading and application.

If clothing becomes contaminated, remove and wash separately from household laundry before reuse.

Clean spray equipment thoroughly after use.

Do not contaminate domestic or irrigation water, lakes, streams or ponds by the cleaning of equipment or the disposal of wastes

9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

· Form:	Powder
· Color:	Light tan
· Odor:	Vanilla
· Odor threshold:	Not determined.

- **pH-value:** Not applicable.

- **Change in condition**

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Undetermined.

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** Not determined.

- **Ignition temperature:**

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not self-igniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

· Lower:	Not determined.
· Upper:	Not determined.

- **Vapor pressure:** Not applicable.

- **Density at 20 °C (68 °F):** .2154 g/cm³ (.975.13 lbs/gal) (chute libre)

· Relative density	Not determined.
· Vapor density	Not applicable.
· Evaporation rate	Not applicable.

- **Solubility in / Miscibility with**

- **Water:** Dispersible.

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· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

· **Dynamic:** Not applicable.

· **Kinematic:** Not applicable.

· **9.2 Other information** No further relevant information available.

10 Stability and reactivity

· **10.1 Reactivity** No further relevant information available.

· **10.2 Chemical stability** Stable under normal conditions

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions** No dangerous reactions known.

· **10.4 Conditions to avoid** No further relevant information available.

· **10.5 Incompatible materials:** Strong oxidizers

· **10.6 Hazardous decomposition products:**

Hydrogen chloride (HCl)

Nitrogen oxides (NO_x)

Sulfur oxides (SO_x)

Carbon monoxide (CO)

11 Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity:**

Fatal if inhaled.

· **LD/LC50 values that are relevant for classification:**

Oral	LD50	=1930 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	=0.09 mg/l (rat)

· **Primary irritant effect:**

· **on the skin:** Based on available data, the classification criteria are not met.

· **on the eye:** Based on available data, the classification criteria are not met.

· **Sensitization:** Based on available data, the classification criteria are not met.

· **Additional toxicological information:**

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients are listed.

· **NTP (National Toxicology Program)**

None of the ingredients are listed.

12 Ecological information

· **12.1 Toxicity**

This pesticide is toxic to fish and 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. Keep out of lakes, ponds, or streams. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters. Do not apply when weather conditions favor drift from target area. Drift or runoff from treated areas may be hazardous to

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fish in adjacent sites. This product is highly toxic to bees. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Application early in the morning or at dusk is suggested.

- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
 - **Ecotoxicological effects:**
 - **Remark:** Toxic for fish
- **12.5 Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

- **13.1 Waste treatment methods**
 - **Recommendation:**

Pesticide wastes are acutely hazardous. Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. Improper disposal of excess pesticide, spray mix, or rinsate is a violation of federal law. If these wastes cannot be disposed of according to label instructions, contact the state agency responsible for pesticide regulation or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
 - **Uncleaned packagings:**
 - **Recommendation:**
 1. Follow provincial instructions for any required cleaning of the container prior to its disposal.
 2. Make the empty container unsuitable for further use.
 3. Dispose of the container in accordance with provincial requirements.
 4. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

14 Transport information

- | | |
|---|---|
| <ul style="list-style-type: none"> · 14.1 UN-Number · DOT · TDG, IMDG, IATA | <p style="margin-left: 20px;">UN3288</p> <p style="margin-left: 20px;">UN2588</p> |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · TDG · IMDG · IATA | <p style="margin-left: 20px;">UN2588, PESTICIDE, SOLID, TOXIC, NOS (Pyridaben 75%), 6.1, PGII</p> <p style="margin-left: 20px;">UN2588, PESTICIDES, SOLIDE, TOXIQUE, NSA (Pyridaben 75%), 6.1, GPII, polluant marin</p> <p style="margin-left: 20px;">UN2588, PESTICIDES, SOLIDE, TOXIQUE, NSA (Pyridaben 75%), 6.1, GPII</p> |

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· **14.3 Transport hazard class(es)**

· **14.3 TDG, IATA**



· **Class**
· **Label**

6.1 Toxic substances
6.1

· **IMDG**



· **Class**
· **Label**

6.1 Toxic substances
6.1

· **14.4 Packing group**

· **TDG, IMDG, IATA**

II

· **14.5 Environmental hazards:**

Product contains environmentally hazardous substances:
Pyridaben

· **Marine pollutant:**

Yes
Symbol (fish and tree)

· **14.6 Special precautions for user**

· **Danger code (Kemler):**
· **EMS Number:**

Warning: Toxic substances
60
F-A,S-A

· **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable

· **UN "Model Regulation":**

UN2588, PESTICIDE, SOLID, TOXIC, NOS (Pyridaben 75%), 6.1, PGII

15 Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **SARA Title III**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

None of the ingredients are listed.

· **Canadian substance listings:**

· **Canadian Domestic Substances List (DSL)**

None of the ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients are listed.

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· Canadian Ingredient Disclosure list (limit 1%)

None of the ingredients are listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H301 Toxic if swallowed.

H331 Toxic if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

· Department issuing SDS: Supply Chain

· Contact: sds@gowanco.com

· Date of preparation / last revision 03/08/2017 / -

· Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

· Sources Nexter® is a registered trademark of Nissan Chemical Industries, Ltd

· * Data compared to the previous version altered.

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