

# STATE OF MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY BOARD OF PESTICIDES CONTROL 28 STATE HOUSE STATION AUGUSTA, MAINE 04333-0028

WALTER E. WHITCOMB COMMISSIONER

HENRY S. JENNINGS DIRECTOR

To: Board of Pesticides Control Members

From: Mary Tomlinson, Pesticides Registrar/Water Quality Specialist

RE: EPA Special Local Need (SLN) [FIFRA, Section 24(c)] application to approve the use of GWN-1715-O,

EPA Reg. No. 81880-5, to control mites and whiteflies in greenhouse tomatoes

State Supplemental Special Local Need (SLN) [FIFRA, Section 24(c)] application to approve the use of Sanmite, EPA Reg. No. 81880-5-10163, to control mites and whiteflies in greenhouse tomatoes

Date: March 20, 2013

\*

Enclosed are the above referenced Special Local Needs (SLN) [FIFRA, Section 24(c)] application and supporting documents for your consideration.

In 2013, the Board of Pesticides Control approved a Section 24(c) for use of GWN-1715, active ingredient pyridaben, to control mites and whiteflies on greenhouse tomatoes. For marketing reasons, Canyon Group will be canceling that SLN. The company wishes to replace that SLN with an SLN for GWN-1715-O. The formulation and use directions are identical.

A state supplemental SLN for NeXter, based on the SLN for GWN-1715, was also issued by the Board in 2013. Cancellation of the parent SLN will render the state supplemental SLN void. Although the EPA only permits issuance of an SLN on a primary product registration, states are permitted to issue a state supplemental SLN for a supplementally distributed product, as long as an SLN for the primary product is first issued by the state and the basic registrant has approved the distributor's request for an SLN. Canyon Group has approved the supplemental SLN request, by Gowan Company, for the use of Sanmite, to control mites and whiteflies, on greenhouse tomatoes.

Backyard Farms previously employed the use of Nexter, to periodically reduce adult whitefly populations in order to regain the balance between beneficial insects and the whitefly larvae they parasitize. This product is also important in the control of mites for which there are no biological controls. Backyard Farms supports the issuance of a state supplemental SLN for Sanmite to replace NeXter in order to effectively control mites and whiteflies in the greenhouse tomatoes. A tolerance of 0.15 ppm has been established by the EPA for pyridaben.

Please review the attached documents and let me know if you have any questions.

- FIFRA, Section 24(c) application
- Two letters of support from Kyla Smith, Registration Specialist, Canyon Group/Gowan Company
- Letter of support from Erika Verrier, IPM Manager, Backyard Farms
- GWN-1715 draft Maine SLN label
- GWN-1715 EPA label
- Sanmite draft Maine SLN label
- Sanmite Section 3 label
- Sanmite MSDS

PHONE: 207-287-2731

SEPA

# United States Environmental Protection Agency Office of Pesticide Programs, Registration Division (7505C) Washington, DC 20460

# Application for/Notification of State Registration of a Pesticide To Meet a Special Local Need

For State Use Only
Registration No. Assigned
ME-140001

Date Registration Issued

		ection 24(c) of the Federal Insecticide,	
1. Name and Address of Applicant for		and Rodenticide Act, as Amended)	
	Registration	2. Product is (Check one)	EPA Registration Number
Canyon Group		EPA-Registered	81880-5
C/O Gowan Company P.O. Box 5569		New (not EPA-registered)	EPA Company Number
Yuma, AZ 85366		Attach SPA Form 8670-4, Confidential Statement of	The company identifies
fullia, AZ 65366		3. Active Ingredient(s) in Product	
		Pyridaben	
4. Product Name		5. If this is a food/feed use, a tolerance or other	
GWN-1715-O		required. Cite appropriate regulations in 40 186. 180.494	CFR Part 180, 185, and/or
<ol><li>Type of Registration (Give details in page, properly identified and attach</li></ol>	•	7. Nature of Special Local Need (check one)  There is no peeticle product registered by EPA for	r such use,
e. To permit use of a new product.		There is no EPA-registered posticide product which the State, would be so self-end/or as efficacious	
b. To amend EPA registrations for one or more	of the following purposes:	conditions of EPA registration.	or supplement with the telephone and
(1) To permit use on additional crops or an	imale. ,	An appropriate EPA-registered posticide product is	not evallable.
(2) To permit use at additional alter.		8. If this registration is an amendment to an E	•
(3) To permit use against additional pests.		for a "new use" as defined in 40 CFR 152.	3 ?
(4) To permit use of additional application	techniques or equipment.	Yes (discuss in item 13 below)	Na
(5) To permit use at different application n	ites,	9. Has an EPA Registration or Experimental Use Pen	nit for this chemical ever been
(8) Other (specify below)		(check applicable box(es), if known):	Cancelled Suspended
10. Has FIFRA section 24(c) registrati	ion for this use of the	Sought X fewed Deried	Cancelled Suspended
product ever, by another State, b	een (check appropriate	Registration Experimental Use Permit	No Previous Permit Action
box(es), if known):		Registration Experimental Use Permit	THE PREVIOUS PRIMIT PAGEON
Sought		11. Endangered Species Act: (Give details in Item 13 or on a separate page, properly identified and attached to this form)	
		Identify the counties where this posticide will be used. If Statewide, Indicate "all."	
No FIFRA section 24(c) Action		Provide a list of Federally protected endangered/three the areas of proposed use.	atened species which occur in
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		12. Indicate use status of Special Local Need, use:  From: NA To: NA	i.e., planned dates of
Signature of Applicant or Authorized		13. Comments (attach additional sheet, if nee	ded)
			-
Title			
Agent for Canyon Ly	CAGMITH		
Telephone Number	Date		
928-819-1531	1-28-14		
		ination by State Agency	
This registration is for a Special Local knowledge, the information above is o	orrect, except as noted in "Cor	·	ne best of our
Name, Title, and Address of State A	jency Official Comm	ents (by State Agency Only)	Received by EPA
Mary Tomlinson			
Maine Board of Pesticides	Control		
28 State House Station			
Augusta, ME 04333-0028			
Title			
Pesticides Registrar/Water Qual	ity Specialist		
Telephone Number 207-287-2731	Date 3-28-2013		

# Canyon Group LLC TM 370 S. Main Street • Yuma, AZ 85364 • ph 928.783.8844 • fax 928.343.9255

January 28, 2014

Attention: Mary E. Tomlinson Department of Agriculture Maine Board of Pesticides Control 28 State House Station Augusta, ME 04333

RE: GWN-1715-O, EPA Reg. No. 81880-5

SLN No. ME-14XXXX for Greenhouse Tomatoes

Dear Ms. Tomlinson:

Canyon Group is requesting SLN ME-14XXXX, for use of GWN-1715-O (active ingredient pyridaben) on greenhouse tomatoes.

Backyard Farms in Madison, Maine supports this SLN. Sanmite (a supplementally distributed product of the parent product GWN-1715-O) is a necessary product to fight mites and whitefly.

Canyon Group gives permission to Gowan Company to issue a supplemental SLN for Sanmite, EPA Reg. No. 81880-5-10163, and to distribute product to growers.

In support of this, I have enclosed the following:

- 1. EPA application for State Registration of a pesticide to meet a Special Local Need (8570-25)
- 2. Proposed SLN No ME-14XXXX

If you need any additional information, please feel free to contact me at kssmith@gowanco.com.

Sincerely,

Kyla S. Smith, Agent for Canyon

Malf He



The Go To Company

P.O. Box 5569 A Yuma, AZ 85366-5569 A Phone (928) 783-8844 A FAX (928) 343-9255

January 28, 2014

Attention: Mary E. Tomlinson Department of Agriculture Maine Board of Pesticides Control 28 State House Station Augusta, ME 04333

RE:

Samite, EPA Reg. No. 81880-5-10163

SLN No. ME-14XXXX for Greenhouse Tomatoes

Dear Ms. Tomlinson:

Gowan Company is requesting a supplemental label for Canyon Group's SLN for GWN-1715-O, EPA Reg. No. 81880-5, on greenhouse tomatoes. Sanmite is currently an EPA approved Section 3 supplemental distributor for this product.

If you need any additional information, please feel free to contact me at kssmith@gowanco.com.

Sincerely,

Kyla S. Smith,

Gowan Company



January 28, 2014

Attention: Mary Tomlinson, Registrar

28 State House Station Augusta, ME 04333-0028

RE: Sanmite EPA Reg. No. 81880-5-10163

Dear Ms. Tomlinson:

At Backyard Farms, we follow a biologically based integrated pest management program in managing all of our pests. We have successfully incorporated Nexter (EPA Reg. 81880-4-10163), a product manufactured by Gowan, to gain control over our whitefly and mite populations for several years through your support of a SLN label. We understand that this product is being replaced with Sanmite (EPA Reg. No. 81880-5-10163) and wish to maintain the use of this in place of Nexter.

The basis of our whitefly pest management program is the weekly introduction of the beneficial insects *Encarsia formosa* and *Eretmocerus eremicus*. These introductions do a good job curbing the whitefly life cycle. However, corrections are periodically needed to help keep the balance between pest and beneficial populations.

The insecticide has a very strong knock down of adult whiteflies with minimum residual effect and minimum residues. Because our beneficial insects parasitize the larval stages, this product complements our integrated pest management program by killing the adults and creating a situation where our beneficial insects are able to gain control of the problem again. Nexter also aids in the control of mites for which there is no effective biological control in tomatoes. In years prior to using Nexter, mites had affected nearly 15% of our growing area and many other measures taken to control mites decreased the efficacy of the beneficial insects working to control the whitefly— therefore causing significant interruption to our biological balance. With Nexter we have found a chemical that can help to effectively control both pests and allow us a smooth transition back to a biologically based IPM system. Now we realize the need to maintain Sanmite in its place.

Since our original request for the SLN for Nexter was approved, we have found it highly effective at controlling both whitefly and mites. We would like your continued support for the use of Sanmite in greenhouse tomatoes in Maine. Please continue to support this critical submission for Sanmite to be used at our greenhouse.

Sincerely,

Erika Verrier

IPM Manager
Backyard Farms
131 River Road
Madison, ME 04950
(T) 207-696-5200 Ext. 2148

(F) 207-696-5322

(C) 207-612-8911



# FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF MAINE

# **GWN-1715-0**

# EPA Reg. No 81880-5 / EPA SLN NO. ME-14XXXX Expires 12-31-2019

# For Control of Mites and Whiteflies on Greenhouse Tomatoes

 ACTIVE INGREDIENT:
 % By Wt.

 [2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloropyridazin-3(2H)-one]
 75.0%

 OTHER INGREDIENTS:
 25.0%

 Total 100.0%

# WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

#### **DIRECTIONS FOR USE**

- . It is a violation of Federal law to use this labeling in a manner inconsistent with its labeling.
- All applicable directions, restrictions and precautions on the EPA-registered label are to be followed.
- This labeling must be in the possession of the user at the time of the pesticide application.

CROP	RATE	PEST	COMMENTS			
Greenhouse	4 oz per 100 gallons of	European red mite, Citrus red mite,	Apply when mites first appear and before a			
tomatoes	water	Twospotted spider mite, Broad mite	threshold of five spider mites per leaf is reached.			
	Or					
	0.09 oz per 1000 sq. ft.					
,	4–6 oz per 100 gallons	Whiteflies				
	of water					
	Or					
	0.09 – 0.14 oz per 1000					
	sq. ft.					
		day of harvest (PHI)				
	1	an 2 applications per crop cycle				
	1 '''	·				
	the following items is					
		exchanges				
		rs of system ventilation				
	1	rs of ventilation using vents, windows or other	r passive ventilation			
		quired PPE is worn.	5 03473 4747 0 : 41 4 11			
	1		of GWN-1715-O in crops that allow more than 1			
	application per seaso					
	1	duct through any type of irrigation system.				
	<ul> <li>Do not apply this pro</li> </ul>	duct aerially.				

Coverage: Apply GWN-1715-O in sufficient water to ensure thorough coverage of foliage and fruit. Thorough coverage is required for optimum control.

24(c) Registrant: Cany

Canyon Group C/O Gowan Company P.O. Box 5569 Yuma, AZ 85366-5569

SLN: ME-14XXXX GWN-1715-O Greenhouse tomatoes (approved X-X-14)



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

FEB 2 6 2010

Kyla Smith Canyon Group c/o Gowan Company P.O. Box 5569 Uma, AZ 85365-5569

Subject: Label Notification(s) for Pesticide Registration Notice 2007-4

Dear Ms. Smith:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 2007-4 dated December 14, 2009 for:

**EPA Registration 81880-5** 

**GWN-1715-0** 

The Registration Division (RD) has conducted a review of the request(s) for applicability under 2007-4 and finds that the label changes requested fall within the scope of 2007-4. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identify the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by nonnotification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

Linda Arrington

Notifications & Minor Formulations Team Leader Registration Division (7505P)

Office of Pesticide Programs

Please reed instructions on re	verse before of Jetin	g form.	Form App	rove J	MB No. 2070-0	0060 L	1 THE COUNTY
- <b>-</b>	Uni	ted States		R	egistratio	n o	PP Identifier Number
<b>\$EPA</b> □	Environmental i	Protection	Agency		mendmer		
	Washing	ton, DC 20460	)	$\times$ 0	ther		
	A	pplication	for Pesticide - Sec	tion I			
1. Company/Product Number			2. EPA Product Me			3. Propo	sed Classification
81880-5			Richard Gebkin	•		<b>5</b>	<del></del> -
4. Company/Product (Name) GWN-1715-O			PM# 10			M	one Restricted
5. Name and Address of App	licent <i>(Include ZIP Code</i>	o)	6. Expedited Re	view. Ir	n accordance	with Fil	FRA Section 3(c)(3)
Canyon Group C/O Gowa	an Company			is simila	r or identical	in comp	osition and labeling
P.O. Box 5569 Yuma, AZ			to:				
			EPA Reg. No	···		<del></del>	
Check if this	is a new address		Product Name				
			Section - II	·····			
Amendment - Explain	below.		1 1 .		in response to		
Resubmission in respo	onse to Agency letter d	lated		tter dated Application		IOTIF	ICATION
Notification - Explain				ratain bala		een.	0 = 0040
X   Notification - Explain	pelow.		Other - Ex	opiain belo	w.	LFR	2 5 2010
Explanation: Use addition	al page(s) if necessary.	. (For section l	and Section II.)				
Updating Storage and Di	sposal						
			Section - III				
1. Material This Product Will	Be Packaged in:						
Child-Resistant Packaging	Unit Packaging		Water Soluble Packaging		2. Type of Con		
Y •••	X Yes		X Yes			letel lestic	
× No	No		No			lass	
Certification must	If "Yes" Unit Packaging wgt,	No. per container	If "Yes" No. per Package wgt contair			<mark>sper</mark> ther (Spe	ocify)
be submitted	0.25/65	16	0.25165 4		<u> </u>		
3. Location of Net Contents	Information	4. Size(s) Rotai	il Container	5. Loca	tion of Label D	Directions	
	ontainer	4 lbs				accomp	nying product
6. Manner in Which Label is	Affixed to Product	Lithogra Paper g	ph Oth	er			
		Stencile	Section - IV	<del></del>			
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)							
Name	5 5 6 6 6 6 6 6 6.		itie	-,			Né.: (Inciude Area Code)
Kyla S. Smith	······································		Registration Specialist			28-319-1	
		Certificat	_				B. Date Application
l certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.  I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment of (Stammed)							
both under applicable			, p derication by	wr mr	(. (. (	, ·	( (\$tamped)
2. Signatura		3	. Title		(	, ,	ζ.
MALL			Registration Specialist		( (, (		( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (
4. Typed Name		-   «	. Date				r t
Kyla S. Smith						1	2 t ( t
ryia 5. Silliti			12-14-09			1	
EPA Form 8570-1 (Rev. 8-94	) Previous editions are	obsolete.	٧	Vhite - EP/	A File Copy to	riginel)	Yellow - Applicant Copy

The Go To Company

P.O. Box 5569 A Yuma, AZ 85366-5569 A Phone (928) 783-8844 A FAX [928] 343-9255

**December 14, 2009** 

U.S. EPA, Office of Pesticide Programs (7505P)
Document Processing Desk (NOTIF)
Attention: Richard Gebkin
Room S-4900, One Potomac Yard (S. Bldg)
2777 S. Crystal Drive
Arlington, Virginia 22202-4501

RE: GWN-1715-O, EPA Reg. No. 81880-5 - Notification to update Storage and Disposal

Dear Mr. Gebkin:

Canyon Group submits the enclosed revised label. The above mentioned product has been updated in order to comply with the Storage and Disposal mandates per EPA PR Notice 2007-4. Enclosed are the following:

EPA form 8570-1, Application for Pesticide GWN-1715-O label (2 copies)

Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for the product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

If you have any questions or concerns, please contact me via email at kssmithl@gowanco.com or via phone (928) 819-1531.

Sincerely,

Kyla Smith,

Agent for Canyon

Mala HHA

**Enclosures** 

4069

# **GWN-1715-0**

# Miticide/Insecticide

A wettable powder for commercial use on ornamental plants grown in greenhouses and outdoors **NOTIFICATION** 

# WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

	FIRST AID
If inhaled	Move person to fresh air.
	<ul> <li>If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> </ul>
	Call a poison control center or doctor for further treatment advice.
If swallowed	Call a poison control center or doctor immediately for treatment advice.
	Have the 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 to an unconscious person.
if on skin or	Take off contaminated clothing.
clothing	Rinse skin immediately with plenty of 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 first 5 minutes, then continue rinsing eye.
	Call a poison control center or doctor for treatment advice.
	HOTLINE NUMBER
Have the produc	ct container or label with you when calling a poison control center or doctor or going for treatment. FOR MEDICAL

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING/AVISO

May be fatal if inhaled. Do not breathe dust or spray mist. For handling activities, use dust/mist-filtering respirator (MSHA/NIOSH approval numbers prefix TC-21C), or a NIOSH approved respirator with N, P, R, or HE pre-filter. Wear long-sleeved shirt and long pants, socks and shoes and waterproof gloves. Harmful if swallowed or absorbed through skin. Avoid contact with skin. Remove contaminated clothing and wash before reuse. Causes moderate eye irritation. Do not get in eyes or on clothing. Wear goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

# Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Protective eyewear
- Shoes plus socks
- For handling activities, use dust/mist filtering respirator (MSHA/NIOSH approval numbers prefix TC-21C), or a NIOSH approved respirator with a N, P, R, or HE pre-filter.

Chemical-resistant headgear for overhead exposure.

EMERGENCIES INVOLVING THIS PRODUCT CALL 1-888-478-0798.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. 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.

Engineering Controls Statement: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the harfdier PRE requirements may be reduced or modified as specified in the WPS.

NET CONTENTS \_\_\_ POUNDS

Gowan
The Go To Company

Canyon Group Ç/Q Gowan Company P.O. Box 5569 Yuma, AZ 85366-5569

EPA Reg. No. 81880-5 EPA Est. No.



#### **USER SAFETY RECOMMENDATIONS**

#### Users should:

• Wash hands before eating, drinking, chewing gum, using tobacco, or 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.

# **ENVIRONMENTAL HAZARDS**

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 when disposing of equipment washwaters. Do not apply when weather conditions favor drift from target area. Drift or runoff from treated areas may be hazardous to fish in adjacent sites. This product is 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.

#### **DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

For end use only. Do not repackage or reformulate without manufacturer's written approval.

All applicable directions, restrictions, precautions and Notice of Conditions of Sale and Warranty and Liability Limitations are to be followed. This labeling must be in the user's possession during application.

#### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective eyewear
- For handling activities during handgun applications with direct overhead exposures, wear either a respirator with an organic vaporremoving cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C) or a canister approved for
  pesticides (MSHA/NIOSH approval number prefix TC-21C).
- For all other exposures, wear a dust/mist-filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

# **GENERAL INFORMATION**

**GWN-1715-O Miticide/Insecticide** is intended for control of mites and whiteflies on ornamental plants, flowers, and foliage crops. GWN-1715-O provides excellent knockdown and residual control. A good evaluation of performance can generally be made 4-7 days after treatment.

# **Crop Tolerance**

All crops listed in Table 2. Plant Species Tested for Tolerance to GWN-1715-O are tolerant to GWN-1715-O.

# **Mode of Action**

GWN-1715-O works primarily through contact action. Treat plants when pests are immature or at a susceptible stage and populations are building, before crop damage occurs.

#### Resistance Management

Using GWN-1715-O in successive miticide applications is not recommended. Use GWN-1715-O as part of a sound resistance management program that includes rotation with other treatments having different modes of action.

Spray Coverage

Apply GWN-1715-O in sufficient water to ensure thorough coverage of foliage. Thorough coverage is required for optimum control. To achieve adequate coverage, use proper spray pressure, nozzles, nozzle spacing, and volume per acre. Consult spray nozzle and accessory guide for information pertaining to proper equipment calibration.

Cleaning Spray Equipment

Clean spray equipment thoroughly using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions before and after applying this product.

### **APPLICATION INSTRUCTIONS**

Apply GWN-1715-O Miticide/Insectide at rates recommended in Table 1. Application Rates. Avoid drift to all other crops and non-target areas. Table 1. Application Rates

Pest	Rate per 100 gallers of water
Broad mite	
European Red Mite	4 bags
Southern red mite	(4 ounges)
Tumid mite	(4 ouiless), (
Twospotted spider mite	(((
Whiteflies	4 – 6 þags '
TYTIKOMOO	(4 – 6 oùrgas)



Table 2. Plant Species Tested for Tolerance to GWN-1715-O miticide/insecticide\*

COMMON NAME	SCIENTIFIC NAME
	Ageratum houstonianum
Ageratum, Blue Blazer	Pilea cadierei
Alurrinum Plant	l
Alyssum	Lobularia maritima
Andromeda, Japanese	<i>Pieris japonica (</i> Thumb) v
	'Mountain Fire'
Anthurium	Anthurium spp.
Arborvitea, American	Thuja occidentalis, smaragd
Aster, Rainbow	Aster spp.
, Solidago	
Azalea	Rhododendron sp.
Baby's Breath	Gypsophila paniculata
Balloon Flower	Platycodon grandiflora v
Danoon Flower	'Sentimental Blue'
B. A	
Barberry, Japanese	Berberis thunbergii
Red Leaf	(atropurpureum)
Begonia	Begonia semperflorens
Blanket Flower	Gaillardia sp. V 'Red Plume'
Bleeding Heart	Dicentra spectabilis (Lem.)
Boxwood, Japanese	Buxus japonica
Butterfly Bush	Buddieia sp. V White
Dutterny bush	
	profusion'
Butterfly Bush	Buddleia davidii Franch.
Caladium	Caladium sp.
Camellia	Camellia japonica
Carnation, Pallas Londerga	Dianthus caryophyllus
Carnation, Pink Candy	
	Colorio presente
Celosia, Dwarf Mixed	Celosia argenta
Charnaedorea Palm	Chamaedorea elegans
Chrysanthemum	Chrysanthemum spp.
Christmas Cactus	Schlumbergera bridgesii
	Medicago sativae
Cimmaron	
Cinquefoil	Potentilla fructicosa spp.
	Including 'May white'
Coleus, Scarlet Wizard	Coleus hybridus
Coneflower	Rudbeckia sp. V 'Goldilocks'
Cosmos	Cosmos sp.
Cotoneaster	Coloneaster dammeri C.K.
Gotomodotor	Schneid v 'Coral'
İ	Beauty'
Catanagatan	Cotoneaster apiculaius Rehd
Cotoneaster	
	& E.H. Wils
Croton, Pictum	Codiaeum variegatum
Cyclamen, Red	Cyclamen persicum
, White	
Dahlia	Dahlia spp.
Daisy, Shasta	Chrysanthemum maximum
Dailoy, Oriudia	Ramond v 'Silver Princess'
Daylily	Liemerocallis spp.
Daylily Dinty	
Dianthus, Pink	Dianthus spp.
Telstar Lavender	
, Telstar White	<u> </u>
Dieffenbachia, Dumb cane	Dieffenbachia sp.
Dogwood, Cornelian Cherry	Cornus spp.
Dracaena	Dracaena marginata
Dusty Miller	Centaurea cineraria
	Euonymus alata (Thumb.)
Dwarf Winged Euonymus	
	Siebold v. 'Compacta'
Elm	Ulmus spp.
Euonymus	Euonmymus spp.
Euonymus, Winged	Euonymus alata (Thumb.)
Lucilyinus, tringou	Siebold
Francis Durad Mineral	Euonymus alata (Thumb.)
Euonymus, Dwarf Winged	
	Siebold v ' Compacta
False Cypress	Chamaccyparis pisifera
False Cypress Fern, Pteris	Chamaccyparis pisifera  Pteris biaurita
Fern, Pteris	Chamaccyparis pisifera Pteris biaurita
False Cypress Fern, Pteris Fern, Asparagus Fern, Maidenhair	Chamaccyparis pisifera

secticide.	
Fir, Douglas	Pseudotsuga menziesii (Mirb) Franco
Fir, Fraser	Abies fraseri
Fir, Noble	Abies porcera
COMMON NAME	SCIENTIFIC NAME
Fire Thorn	Pyracantha coccinea
Fuchsia	Fuchsiu sp.
Gardenia, August Beauty	Gardenia jsaminoides
Geranium, Scarlet Orbit	Geranium sp.
Gerbera Daisy	
Gladiolus	Gerbera sp. Gladiolus x hortulanus L.H.
Gladiolus	Bailey
Cladiolus	Gladiolus sp. V 'Nova Lux'
Gloxinia	Sinningia speciosa
Gold Dust Plant	Aucuba japonica
Goldfish plant	Alloplectus nummularia
Hemlock	Tsuga canadensis Carriere
Hibiscus	Hibiscus spp.
Hollyhock	Alcea rosea v ' Apricot' Hex comute
Holly, Chinese	1
, Burford , Japanese	Hex cornute 'Burfordii' Hex crenta
Honeysuckle	Lonicera spp.
Hyacinth, Common	Hyacinthus orientalis
Hydrangea	Hydrangea spp.
Hydrangea-vine	Schizophragma hydrangea
Impatiens, New Guinea	Impatiens wallerano
, hybrids	
, Celsia high energy	
, Sunshine	I de la companya del companya de la companya del companya de la co
Iris, Miniature	Iris spp.
Ivy, Cascade	Hedera helix
, English	
, Spade	fundamin and
Juniper	Juniperus spp.
Kalanchoe	Kalanchoe sp.
Lilac	Syringa patula Lilium loniflorum
Lily, Easter	Zantedeschia sp.
, Calla , Peace	Spathiphyllum sp.
. Mauna Loa	Spathiphyllum sp.
, Orange pixie	Lilium longiflorum
Lobelia Dixie	Lobelia spp.
Lupine	Lupinus sp. v 'Russell Blue
Lubine	w/White'
Magnolia	Magnolia spp.
Mandevilla. Pink	Mandevilla sp.
Maple, Sugar	Acer saccharum Marsh
Marigold	Tagetes erecta
Mock Orange	Philadelphus coronaries
Muscari, (Grape Hyancinth)	Muscari spp.
Oak, Pin	Quercus palustris Muenchh
Palm, Parlor (neantha Bella)	Chamaedorea elegans
Pansy	Viola wittro¢kiéna '
Pea, Sweet	Lathyrus odoratus v 'Explorer
Pear, Bradford	Mixed'
	1/191,40 calleryalla Diauloid
Peony Boy	Paegnia lactiflora Pall.
Petunia, Harmony Boy , White Cascade	Petunia hyb(ida
, writte Cascade	
, White Madness	Phlox, paniculata
Dhlass Common on	\ Pniox, paniculata ,
Phlox, Summer	115
Photinia, Red Tip	Photinia x fraseri
Photinia, Red Tip Piggyback plant	Photinia x fraseri Celmiea menziesij
Photinia, Red Tip Piggyback plant Pine, Mugo	Photinia x fraseri Colmiea menziesii Pinus mugo Turra
Photinia, Red Tip Piggyback plant Pine, Mugo Pinks (Dianthus)	Photinia x fraseri Coleniea menziesii Pinus mugo Turra Dianthus spp.
Photinia, Red Tip Piggyback plant Pine, Mugo	Photinia x fraseri Colmiea menziesii Pinus mugo Turra

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Euphorbia pulcherrima
<u> </u>
Reaucamea recurvata
Papaver spp.
Epipremum aureum
Maranta leuconeura
Primula sp.
Ligustrum x vicaryi
Enkianthus spp.
SCIENTIFIC NAME
Rosa spp.
Portulaca grandifiora
Rhododendron sp.
· · · · · · · · · · · · · · · · · · ·
Salvia splendens
Schefflera actinophylla
Antirrhinum spp.
Spirea spp.
Picea abies nidiformis
Helianthus annuus
Synagonium podophyllum

Tobacco, Ornamental	Nicotiana spp.		
Trumpetcreeper	Campsis grandiflora		
Tulips	Tulipa spp.		
Viburnum, Snowball Bush	Viburnum spp.		
COMMON NAME	SCIENTIFIC NAME		
Verbena, Blaze , Garden , Lemon , Scarlet Romance	Verbena hybrida		
Vinca, Little Blanche , Periwinkle	Vince spp.		
Violet, African	Saintpaulia ionantha		
Wandering Jew	Tradesacantia albiflora		
Wisteria	Wisteria spp.		
Yew, Hicks	Taxus x media Rehd v 'Hicksii'		
Zinnia, Scarlet Flame , Giant Cactus , Lilliput , Dreamland	Zinnia elegans		

#### **ADDITIVES**

In general, no additives are necessary for effective use of GWN-1715-O miticide/insecticide.

However, in situations where local conditions such as hard water are a problem, adjuvants or wetting agents may be used to achieve thorough spray coverage.

Do not place water-soluble bags directly into dormant or summer-spray-type oils. PVA pouches are water soluble, not oil soluble. Do not use with nutritional sprays containing boron. Boron will prevent the bags from dissolving in water. Rinse the tank thoroughly before adding any material in PVA bags.

**Mixing Order** 

- 1) Water: Begin by agitating a thoroughly clean sprayer tank half full of clean water.
- 2) Products in PVA bags: Determine the number of water-soluble bags to be used based on Table 2. Place the water-soluble bags into the mixing tank. The water-soluble bags dissolve in water and the contents will disperse. Wait until all water-soluble PVA bags have fully dissolved and the product is evenly mixed in the spray tank before continuing.
- 3) Water-dispersible products: (dry flowables, wettable powders, suspension concentrates, or suspo-emulsions)
- 4) Emulsifiable concentrates
- 5) Water Soluble Products
- 6) Water-soluble additives
- 7) Remaining quantity water

Maintain constant agitation during application. For more information, refer to section General Tank Mixing Information.

#### **GENERAL TANK MIXING INFORMATION**

No tank mixes are specifically recommended with this product. The phytotoxic potential of GWN-1715-O has been assessed on a wide variety of common ornamental plants with no phytotoxicity observed. However, all plant species and their varieties and cultivars have not been tested with possible tank mix combinations, sequential pesticide treatments, and adjuvants and surfactants. Local conditions can also influence crop tolerance and may not match those under which testing has been conducted. Therefore, before using GWN-1715-O, test the product on a sample of the crop to be treated to ensure that a phytotoxic response will not occur as a result of applications.

# **GENERAL RESTRICTIONS AND LIMITATIONS - ALL CROPS**

- . Maximum seasonal use rate: Do not exceed 21.34 ounces of GWN-1715-O miticide/insecticide per acre, per year.
- Restricted Entry Interval (REI): 12 hours
- Do not enter a treated greenhouse or a treated indoor area without protective equipment for 12 hours unless one of the following items is completed:
  - o 10 air exchanges
  - o 2 hours of system ventilation
  - 4 hours of ventilation using vents, windows or other passive ventilation
  - o All required PPE is worn.
- Sequential Treatment: Do not use GWN-1715-O in successive miticide applications. Use GWN-1715-O in rotation with other treatments having different modes of action.
- Do not apply this product through any type of irrigation system.
- Do not apply this product aerially.
- Do not use GWN-1715-O with nutritional sprays that contain boron.
- Do not apply this product as a smoke, mist, fog, or aerosol.
- Do not repackage or reformulate without manufacturer's written approval. For end use only.

#### **CROPS**

This product can be used on the following crops:

- Ornamental plants
- Foliage crops

8068

Pests	
This product can be used on the following per	sts:
Common Name	Scientific Name
Broad Mite	Polyphagotarsonemus latus
European red mite	Panonychus ulmi
Southern red mite	Oligonychus ilicis
Tumid mite	Tetranychus tumidus
Twospotted spider mite	Tetranychus urticea
Whitefly, Silverleaf	Benisia argentifolii
Whitefly, Greenhouse	Trialeurodes vaporariorum

#### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry place away from heat or open flame. This 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.

Pesticide Disposal: 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.

Container Disposal:

Water-soluble packaging: Nonrefillable container. Do not reuse or refill this container. The outer case and inner overwrap packaging of the water-soluble bag should be incinerated or disposed of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not re-use the empty packaging.

FOR 24 HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE). CALL CHEMTREC® (800) 424-9300

#### NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our recommendations for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Canyon. All such risks shall be assumed by the Buyer and User.

Canyon warrants that this product conforms to the specifications on the label and is reasonably fit for the intended purpose referred to on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. CANYON MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY

BUYER'S OR USER'S EXCLUSIVE REMEDY AND CANYON'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT CANYON'S SOLE DISCRETION.

EPA Text Pending: GWN-1715-O (To EPA via Notf 12-14-09)





# Section 24(c) Special Local Need Label

# FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF MAINE



EPA Reg. No 81880-5-10163 / EPA SLN NO. ME-14XXXXB Expires 12-31-2019

# For Control of Mites and Whiteflies on Greenhouse Tomatoes

# WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

#### **DIRECTIONS FOR USE**

- It is a violation of Federal law to use this labeling in a manner inconsistent with its labeling.
- All applicable directions, restrictions and precautions on the EPA-registered label are to be followed.
- This labeling must be in the possession of the user at the time of the pesticide application.

CROP	OP RATE PEST		COMMENTS	
Greenhouse tomatoes	4 oz per 100 gallons of water Or 0.09 oz per 1000 sq. ft.	European red mite, Citrus red mite, Twospotted spider mite, Broad mite	Apply when mites first appear and before a threshold of five spider mites per leaf is reached.	
	4–6 oz per 100 gallons of water Or 0.09 – 0.14 oz per 1000 sq. ft.	Whiteflies		
	Do not make more ti Do not apply more ti Do not enter a treat the following items is  10 ai 2 hou 4 hou Allow a minimum of per season.	s completed: r exchanges urs of system ventilation urs of ventilation using vents, windows or of equired PPE is worn. 30 days between sequential applications of oduct through any type of irrigation system.	of <b>SANMITE</b> in crops that allow more than 1 application	

Coverage: Apply Sanmite in sufficient water to ensure thorough coverage of foliage and fruit. Thorough coverage is required for optimum control.

24(c) Registrant:

Gowan Company P.O. Box 5569 Yuma, AZ 85366-5569

SLN: ME-14XXXXB Sanmite Greenhouse tomatoes (approved X-X-14)



# MATERIAL SAFETY DATA SHEET

For 24-Hour Emergency

# 1. PRODUCT AND COMPANY IDENTIFICATION

Formulator: Gowan Company

P.O. Box 5569

(800) 883-1844

Assistance (Spill, Leak, Fire, or

Yuma, Arizona 85366-5569 **Exposure), Call CHEMTREC**®:

REC<sup>®</sup>: Inside the U.S.: (800) 424-9300 Outside the U.S.: (703) 527-3887

For Medical Emergency: (888) 478-0798

Product: Sanmite®

**EPA Signal Word:** Warning **EPA Registration No.:** 81880-5-10163 **Active Ingredient:** Pyridaben (75%) **CAS No.:** 96489-71-3

Chemical Name: 2-tert-butyl-5-(4-tert-butylbenzylithio)-4-chloropyridazin-3(2H)-one

Chemical Class: Pyridazinone

# 2. HAZARDS IDENTIFICATION

**Physical Properties** 

**Appearance:** Light tan powder

Odor: Vanilla

### **Primary Routes of Exposure**

May be fatal if inhaled. Do not breathe dust or spray mist. For handling activities, use dust/mist filtering respirator (MSHA/NIOSH approval numbers prefix TC-21 C), or a NIOSH approved respirator with a NPR, or HE prefilter. Wear long-sleeved shirt and long pants, socks and shoes and waterproof gloves. Harmful if swallowed or absorbed through skin. Avoid contact with skin. Remove contaminated clothing and wash before reuse. Causes moderate eye irritation. Do not get in eyes or on clothing. Wear goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling.

# Medical Conditions Likely to be Aggravated by Exposure

No information found for this mixture.

### Unusual Fire, Explosion, and Reactivity 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 40 g per cubic meter. Exotherm initiation temperature (Grewer oven): 394° C

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	OSHA – PEL	ACGIH – TLV	OTHER	NTP/IARC/OSHA CARCINOGEN
Pyridaben (75%)	0.01 mg/m <sup>3</sup> *	Not Established	Not Established	None

<sup>\*</sup>Manufacturer's recommendation

Only the identities of the active ingredient(s) and any *hazardous* inert ingredients are listed. Specific information on all of this product's ingredients can be obtained by the treating medical professional or spill emergency responder for the management of exposures, spills, or safety assessments.

**Product Name: Sanmite** Page 1 of 5 **Revision Date:** 12/05/2012

# 4. FIRST AID MEASURES

If inhaled	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.</li> </ul>
	<ul> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
If swallowed	Call a poison control center or doctor immediately for treatment advice.
	<ul> <li>Have the person sip a glass of water if able to swallow.</li> </ul>
	<ul> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> </ul>
	Do not give anything to an unconscious person.
lf on skin or	Take off contaminated clothing.
clothing	Rinse skin immediately with plenty of 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 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 control center or doctor or going for treatment. **FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT CALL 1-888-478-0798.** 

# 5. FIRE FIGHTING MEASURES

Flashpoint (test method): Not determined Flammable Limits (% in air): Not determined

**Autoignition Temperature:** Exotherm initiation temperature (Grewer oven): 394° C

Flammability: Non flammable solid

**Appropriate Extinguishing Media** 

Use water fog, foam, CO<sub>2</sub>, or dry chemical extinguishing media.

Fire Fighting Guidance

Firefighters should be equipped with self-contained breathing apparatus and turnout

gear. Care should be taken to decontaminate firefighters and equipment.

**Unusual Fire, Explosion, and Reactivity 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 40 g per cubic meter. Exotherm initiation temperature (Grewer oven): 394° C

# 6. ACCIDENTAL RELEASE MEASURES

# In Case of Spills or Leaks

Emergency response workers should wear a SCBA with Level B protection if dusts will be generated. If possible, keep spilled material dry and recover for use. Spilled material may be carefully swept up and returned to original container.

# 7. HANDLING AND STORAGE

May be fatal if inhaled. Do not breathe dust or spray mist. For handling activities, use dust/mist-filtering respirator (MSHA/NIOSH approval numbers prefix TC-21C), or a NIOSH approved respirator with N, P, R, or HE pre-filter. Wear long-sleeved shirt and long pants, socks and shoes and waterproof gloves. Harmful if swallowed or absorbed through skin. Avoid contact with skin. Remove contaminated clothing and wash before reuse. Causes moderate eye irritation. Do not get in eyes or on clothing. Wear goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling.

# Precautions in storing

Do not contaminate water, food, or feed by storage or disposal.

#### Storage

Store in a cool, dry place away from heat or open flame. This 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

# Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Protective eyewear
- Shoes plus socks
- For handling activities, use dust/mist filtering respirator (MSHA/NIOSH approval numbers prefix TC-21C), or a NIOSH approved respirator with a N, P, R, or HE pre-filter.
- 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.

**Engineering Controls Statement:** When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Light tan powder

**Melting Point:** N/A **Boiling Point:** N/A

Specific Gravity/

**Density:** 15.6 lb/ft(3) packed; 13.45 lb/ft(3) free fall

Solubility in H₂O: Dispersible Vapor Pressure: Not determined

# 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions; relatively unstable to light.

**Hazardous** 

Polymerization: Does not occur

Decomposition

**Products:** HCI, NOx, SOx, CO

Hazardous Mixtures:

Mixtures: Pyridaben is a reducing agent – AVOID OXIDIZERS

**Conditions** 

To Avoid: Not applicable

# 11. TOXICOLOGICAL INFORMATION

# **Acute Toxicity/Irritation Studies**

Rat, Acute Oral LD<sub>50</sub> = 1930 mg/kg

Rat, Acute Dermal LD<sub>50</sub> > 2000 mg/kg

Rat, Acute Inhalation  $LC_{50}$  (4 hour) = 0.62 - 0.66 mg/L

Rabbit, Eye Irritation - not irritating

Rabbit, Skin Irritation - Non irritating to skin

Guinea pig, Dermal Sensitizer - Not sensitizing

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 developmental effects in one species.

**Product Name: Sanmite** Page 3 of 5 **Revision Date:** 12/05/2012

# 12. ECOLOGICAL INFORMATION

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 when disposing of equipment washwaters. Do not apply when weather conditions favor drift from target area. Drift or runoff from treated areas may be hazardous to fish in adjacent sites. This product is 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.

# For the active ingredient:

Bluegill sunfish,  $LC_{50}$  (96-h): 1.8-3.3 3  $\mu$ g/L Rainbow trout,  $LC_{50}$  (96-h): 0.73  $\mu$ g/L Green algae,  $EC_{50}$  (48-h): > 1 mg/L Daphnia magna,  $EC_{50}$  (48-h): 0.38  $\mu$ g/L Bobwhite Quail, Oral  $LD_{50}$ : > 2250 mg/kg Mallard Duck, Oral  $LD_{50}$ : > 2500 mg/kg Honeybees,  $LD_{50}$  (contact): 0.024  $\mu$ g/bee

# 13. DISPOSAL CONSIDERATION

# **Pesticide Disposal:**

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.

# **Container Disposal:**

**Water-soluble packaging:** The outer case and inner overwrap packaging of the water-soluble bag should be incinerated or disposed of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. Do not re-use the empty packaging.

# 14. TRANSPORT INFORMATION

# **DOT Classification**

UN 2588, Pesticides, solid, toxic, NOS (contains Pyridaben 75%), 6.1, PG II

# **International Maritime Organization**

UN 2588, Pesticides, solid, toxic, NOS (contains Pyridaben 75%), 6.1, PG II, Marine Pollutant

# **International Civil Aviation Organization**

UN 2588, Pesticides, solid, toxic, NOS (contains Pyridaben 75%), 6.1, PG II

# 15. REGULATORY INFORMATION

#### **SARA Title III Classification**

Section 302/304: Not listed

Section 311/312: Immediate (acute) health hazard Delayed (chronic) health hazard

Fire hazard

Section 313 chemical(s): Not listed

**Proposition 65** 

Not applicable

# **CERCLA Reportable Quantity (RQ)**

Not applicable

#### **RCRA Classification**

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

# **TSCA Status**

Exempt from TSCA

Product Name: Sanmite Page 4 of 5 Revision Date: 12/05/2012

# **16.OTHER INFORMATION**

**NFPA Hazard Ratings** 

Health: 4 0 Least
Flammability: 3 1 Slight
Reactivity: 1 2 Moderate
3 High
4 Severe

Prepared By:

Gowan Company (800) 883-1844

**Notice:** The information and recommendations contained herein are provided in good faith and are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information herein.

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