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Not for Sale, Sale Into, Distribution and/or Use in Nassau, Suffolk, Kings, Queens Counties of New York State.



GROUP 28 INSECTICIDE

syngenta.

Insecticide

INTENDED FOR USE BY
COMMERCIAL APPLICATORS
ONLY.

For foliar and systemic control
of white grubs and other listed
pests infesting landscape and
recreational turfgrass (including
golf courses) as well as landscape
ornamentals, interior plantscapes
and sod farms.

SCP 1489A-L1 0213 4021761

Active Ingredient:

Chlorantraniliprole*	
3-Bromo-N-[4-chloro-2-methyl-6- [(methylamino)carbonyl]phenyl]-1- (3-chloro-2-pyridinyl)-1H-pyrazole- 5-carboxamide	18.4%
<i>Other Ingredients</i>	81.6%
<i>Total:</i>	100.0%

*Chlorantraniliprole belongs to the
anthranilic diamide chemical class.

EPA Reg. No. 100-1489

EPA Est. No. 70815-GA-002

Product of USA

KEEP OUT OF REACH OF CHILDREN

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.)

0.5 gallon Net Contents
Non-refillable Container



TM

FIRST AID

HOT LINE NUMBER

For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance
(Spill, Leak, Fire, or Accident),
Call
1-800-888-8372

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

When used as directed this product does not present a hazard to humans or domestic animals.

Personal Protective Equipment

Applicators and other handlers must wear:

- Long sleeved shirt and long pants.
- Shoes plus socks.

After the product has been diluted in accordance with label directions for use, shirt, pants, socks, and shoes are sufficient Personal Protective Equipment (PPE). Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

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PRECAUTIONARY STATEMENTS *(continued)*

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.

Environmental Hazards

This pesticide is toxic to aquatic invertebrates, oysters and shrimp. Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to use sites.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of chlorantraniliprole from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Ground Water Advisory

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

- Not for use on plants being grown for sale or other commercial use, or for commercial seed production.

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 (sod farms included), 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 the label about personal protective equipment, restricted-entry interval, and notification to workers (as applicable).

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 State or Tribal agency responsible for pesticide regulation.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

For early entry into 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, wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides, 40 CFR part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Professional applications to golf courses, residential, industrial and commercial lawns and sports fields are not within the scope of the Worker Protection Standard. Do not enter or allow others to enter the treated area until sprays have dried.

ACELEPRYN® must be used only in accordance with specifications on this label or in separate Syngenta supplemental labeling that may be made temporarily available through local distributors, as a result of new EPA approvals. Syngenta will not be responsible for losses or damages resulting from the use of this product in any manner not specifically stated on this label or other labels or bulletins published by Syngenta. User assumes all risks associated with such non-specified uses.

PRODUCT INFORMATION

ACELEPRYN® is a suspension concentrate that may be applied for the control of white grubs and other listed pests infesting landscape and recreational turfgrass (including golf courses) as well as caterpillars, clearwing moth borers and other pests of landscape ornamentals including trees, shrubs, foliage plants, flowers and non-bearing fruit and nut trees that will not produce fruit or nuts during the season of application.

ACELEPRYN® may be used on plants or turf grasses that are being grown for aesthetic or recreational purposes or climatic modification in or around home lawns' residential dwellings, business and office complexes, shopping complexes, multi-family residential complexes, institutional buildings, airports, cemeteries, interior plantscapes, ornamental gardens, wildlife plantings, parks, playgrounds, schools, day-care facilities, golf courses (tee box areas, roughs, fairways, greens, collars etc.), athletic fields, other landscaped areas, and sod farms.

ACELEPRYN® is in GROUP 28 of the EPA's Insecticide and Acaricide Groups Based on Target Site of Action (EPA PR Notice 2001-5) and may be used in rotational resistance management programs.

ACELEPRYN® must be diluted with water before application.

Consult your local Syngenta Professional Products representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

APPLICATION TIMING

White Grubs: Apply ACELEPRYN® from early April to early September for preventative and early curative control of all the major white grub species infesting turfgrass. The need for an application may be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. The higher rate listed for white grub control in Table 1 may be required [for early season (April and May) applications where a long residual is required or] in late August or early September when less sensitive mid-instar grubs are present at the time of application. Irrigate turf immediately after application or allow rainfall to move the product into the soil.

Annual Bluegrass Weevil: Apply ACELEPRYN® when overwintered adult annual bluegrass weevils are observed in late April or early May to prevent damage from first generation larvae in late-May and June. An application of ACELEPRYN® at this time will also provide excellent white grub control. The higher rates listed in Table 1 may be required for applications made after mid-May.

Billbugs: Apply ACELEPRYN® when overwintered adult billbugs are first observed. This will usually occur in late April or early May in regions with cool-season turfgrasses. An application of ACELEPRYN® at this time will also provide excellent white grub control. The higher rates listed in Table I may be required for applications made after early May or when billbug species other than bluegrass billbug are present.

Chinch Bugs: For suppression of chinch bugs, apply ACELEPRYN® before eggs hatch.

European Crane Fly: Apply ACELEPRYN® between September and November to control European crane fly larvae in turfgrass. The higher rate listed in Table 1 may be required to achieve control when applications are made in November.

Spittlebugs: ACELEPRYN® will provide control of two-lined spittlebug when applications are made in spring or summer.

Turf Caterpillars: ACELEPRYN® will provide excellent curative caterpillar control in turfgrass. To ensure optimum control, delay watering (irrigation) or mowing for 24 hours after application. If the area being treated is maintained at a mowing height of greater than one inch, then the higher rate listed in Table 1 may be required during periods of high pest pressure.

APPLICATION RATES FOR LAWNS, GOLF COURSES AND OTHER RECREATIONAL TURFGRASS AREAS

For maximum residual effectiveness or for optimal control of large pest infestations, apply ACELEPRYN® at up to 24 fluid ounces per acre (= 0.55 fluid ounces per 1,000 square feet or 0.313 lbs. A/A) to control any of the pests listed below. Apply ACELEPRYN® in sufficient water to provide optimal distribution in the treated area. Use properly calibrated application equipment that will produce a uniform, coarse droplet spray, using a low pressure setting to eliminate off target drift. Restriction: Do not apply more than 38.3 fluid ounces (equivalent to 0.5 lbs. of active ingredient) of product per acre per year in broadcast applications to turfgrass.

TABLE 1: Turf Application Rates

Target Pest	ACELEPRYN® Turf Application Rates		
	Product per Acre	Product per 1,000 Square Feet	Lbs. AI/A
Turf Caterpillars (including armyworms, cutworms and sod webworms)	2 to 4 fl. oz.	0.046 to 0.092 fl. oz.	0.026 to 0.052
White Grubs (including Aphodius spp., Asiatic garden beetle, black turfgrass ataenius, European chafer, green June beetle, Japanese beetle, May/June beetles (Phyllophaga spp.), northern masked chafer, oriental beetle and southern masked chafer)	8 to 16 fl. oz.	0.184 to 0.367 fl. oz.	0.104 to 0.208
European Crane Fly	8 to 16 fl. oz.	0.184 to 0.367 fl. oz.	0.104 to 0.208
Billbugs	8 to 20 fl. oz.	0.184 to 0.46 fl. oz.	0.104 to 0.26
Annual bluegrass weevil	12 to 20 fl. oz.	0.275 to 0.46 fl. oz.	0.157 to 0.26
Spittlebugs	12 to 20 fl. oz.	0.275 to 0.46 fl. oz.	0.157 to 0.26
Chinch bugs (suppression only)	8 to 20 fl. oz.	0.184 to 0.46 fl. oz.	0.104 to 0.26

TABLE 2: Turf Application Dilution Chart

Application Volume (Gallons per 1,000 Square Feet)	Turf Application Rates			Fluid ounces of ACELEPRYN® diluted to these volumes of finished spray			
	Product per Acre	Product per 1,000 Sq. Ft.	lbs. AI/A	1 gallon	5 gallons	10 gallons	100 gallons
1	1 fl. oz.	0.023 fl. oz.	0.013	0.023	0.115	.023	2.3
	2 fl. oz.	0.046 fl. oz.	0.026	0.046	0.23	0.46	4.6
	4 fl. oz.	0.092 fl. oz.	0.052	0.092	0.46	0.92	9.2
	8 fl. oz.	0.184 fl. oz.	0.104	0.184	0.92	1.84	18.4
	16 fl. oz.	0.367 fl. oz.	0.208	0.367	1.84	3.67	36.7
	20 fl. oz.	0.46 fl. oz.	0.26	0.46	2.3	4.6	46.0
	24 fl. oz.	0.55 fl. oz.	0.313	0.55	2.76	5.5	55.0
2	1 fl. oz.	0.023 fl. oz.	0.013	0.0115	.58	0.115	1.15
	2 fl. oz.	0.046 fl. oz.	0.026	0.023	0.115	0.23	2.3
	4 fl. oz.	0.092 fl. oz.	0.052	0.046	0.23	0.46	4.6
	8 fl. oz.	0.184 fl. oz.	0.104	0.092	0.46	0.92	9.2
	16 fl. oz.	0.367 fl. oz.	0.208	0.184	0.92	1.84	18.4
	20 fl. oz.	0.46 fl. oz.	0.26	0.23	1.15	2.3	23.0
	24 fl. oz.	0.55 fl. oz.	0.313	0.275	1.38	2.75	27.5

Application Volume (Gallons per 1,000 Square Feet)	Turf Application Rates			Fluid ounces of ACELEPRYN® diluted to these volumes of finished spray			
	Product per Acre	Product per 1,000 Sq. Ft.	lbs. AI/A	1 gallon	5 gallons	10 gallons	100 gallons
3	1 fl. oz.	0.023 fl. oz.	0.013	0.0077	0.039	0.077	0.77
	2 fl. oz.	0.046 fl. oz.	0.026	0.015	0.077	0.15	1.5
	4 fl. oz.	0.092 fl. oz.	0.052	0.03	0.154	0.3	3.0
	8 fl. oz.	0.184 fl. oz.	0.104	0.06	0.308	0.6	6.0
	16 fl. oz.	0.367 fl. oz.	0.208	0.123	0.616	1.23	12.3
	20 fl. oz.	0.46 fl. oz.	0.26	0.153	0.77	1.53	15.3
	24 fl. oz.	0.55 fl. oz.	0.313	0.184	0.92	1.84	18.4
4	1 fl. oz.	0.023 fl. oz.	0.013	0.0058	0.029	0.058	0.58
	2 fl. oz.	0.046 fl. oz.	0.026	0.0115	0.058	0.115	1.15
	4 fl. oz.	0.092 fl. oz.	0.052	0.023	0.116	0.23	2.3
	8 fl. oz.	0.184 fl. oz.	0.104	0.046	0.23	0.46	4.6
	16 fl. oz.	0.367 fl. oz.	0.208	0.092	0.46	0.92	9.2
	20 fl. oz.	0.46 fl. oz.	0.26	0.115	0.58	1.15	11.5
	24 fl. oz.	0.55 fl. oz.	0.313	0.138	0.7	1.38	13.8

continued...

TABLE 2: Turf Application Dilution Chart (continued)

Application Volume (Gallons per 1,000 Square Feet)	Turf Application Rates			Fluid ounces of ACELEPRYN® diluted to these volumes of finished spray			
	Product per Acre	Product per 1,000 Sq. Ft.	lbs. AI/A	1 gallon	5 gallons	10 gallons	100 gallons
5	1 fl. oz.	0.023 fl. oz.	0.013	0.0046	0.023	0.046	0.46
	2 fl. oz.	0.046 fl. oz.	0.026	0.0092	0.046	0.092	0.92
	4 fl. oz.	0.092 fl. oz.	0.052	0.0184	0.092	0.184	1.84
	8 fl. oz.	0.184 fl. oz.	0.104	0.037	0.184	0.37	3.7
	16 fl. oz.	0.367 fl. oz.	0.208	0.074	0.368	0.74	7.4
	20 fl. oz.	0.46 fl. oz.	0.26	0.092	0.46	0.92	9.2
	24 fl. oz.	0.55 fl. oz.	0.313	0.11	0.55	1.1	11.0
10	1 fl. oz.	0.023 fl. oz.	0.013	0.0023	0.0115	0.023	0.23
	2 fl. oz.	0.046 fl. oz.	0.026	0.0046	0.023	0.046	0.46
	4 fl. oz.	0.092 fl. oz.	0.052	0.0092	0.046	0.092	0.92
	8 fl. oz.	0.184 fl. oz.	0.104	0.0184	0.092	0.184	1.84
	16 fl. oz.	0.367 fl. oz.	0.208	0.0367	0.184	0.367	3.67
	20 fl. oz.	0.46 fl. oz.	0.26	0.046	0.23	0.46	4.6
	24 fl. oz.	0.55 fl. oz.	0.313	0.55	0.276	0.55	5.5

- To convert from fluid ounces to milliliters, multiply by 29.57.
- 1 fluid ounce = 29.57 ml = 2 tablespoons = 6 teaspoons
- Do not use household utensils to measure ACELEPRYN®

APPLICATION RATES FOR ORNAMENTAL PLANTS (EXTERIOR LANDSCAPES AND INTERIOR PLANTSCAPES)

Foliar Applications:

ACELEPRYN® mixes readily with water and may be applied with many types of application equipment. Foliar treatment application rates are listed in Table 3. Mix the appropriate amount ACELEPRYN® with the required amount of water and apply as a full coverage foliar spray to control the selected target pest. Foliar applications offer locally systemic activity against insect pests. Repeat treatment as necessary to maintain control using higher application rates as pest pressure and foliage area increases. Repeat applications must be limited to no more than once per seven days. Certain plant species or cultivars may be sensitive to the final spray solution. If local experience is not available, then a small number of plants should be treated and observed for phytotoxicity for at least one week before making an application to the entire planting. When making foliar applications to hard-to-wet foliage such as holly, pine, or ivy, the addition of a spreader/sticker is recommended. If concentrate or mist type spray equipment is used, an equivalent amount of product should be used on the area sprayed, as would be used in a dilute application. For outdoor landscape ornamentals, broadcast applications cannot exceed a total of 38.3 fluid ounces (equivalent to 0.5 lbs. of active ingredient) of product per acre per year.

TABLE 3: Foliar Ornamental Application Rates

ACELEPRYN® Ornamental Foliar Application Rates					
Target Pests	Product per 100 Gallons	lbs. AI per 100 Gallons	PPM	Percent AI (wt/vol)	Maximum Gallons per Acre per Year
Leaf-feeding caterpillars (such as bagworms and tussock moth caterpillars [including whitemarked tussock moth])	1.0 fl. oz.	0.013	15.6	0.00156	3840
	2.0 fl. oz.	0.026	31.3	0.00313	1920
	4.0 fl. oz.	0.052	62.5	0.0625	960
	8.0 fl. oz.	0.104	125	0.0125	480
For maximum residual control of the pests listed above	16.0 fl. oz.	0.208	250	0.025	240

Soil Applications:

ACELEPRYN® is a systemic product and will be translocated upward into the plant from root uptake. Soil treatment application rates are listed in Table 4. To assure optimum effectiveness, the product must be placed where the growing portion of the target plant can absorb the active ingredient. For this reason, basal application within one to three feet of the root flare of trees and shrubs is recommended. Application can be made by soil injection, soil drenches and broadcast sprays. When making soil applications to plants with woody stems, systemic activity will be delayed until the active ingredient is

translocated throughout the plant. In some cases, this delay could be 60 days or longer. For this reason, applications should be made prior to anticipated pest infestation to achieve optimum levels of control.

TABLE 4: Ornamental Soil Treatment Application Rates

Target Pests	Trees: Amount per inch of diameter (DBH)		Shrubs: Amount per foot of height	
	Product	AI	Product	AI
Lace bugs	0.0625 fl. oz.	0.0008 lbs.	0.0625 fl. oz.	0.0008 lbs.
Aphids, including apple aphid	0.125 fl. oz.	0.0016 lbs.	0.125 fl. oz.	0.0016 lbs.
	0.25 fl. oz.	0.0032 lbs.	0.25 fl. oz.	0.0032 lbs.
Birch leafminer	0.25 fl. oz.	0.0032 lbs.	0.25 fl. oz.	0.0032 lbs.

The calculations for soil injection/drench applications of ACELEPRYN® involve five easy steps:

Step 1: Calibrate the application equipment to determine its flow rate in gallons per minute.

Step 2: Select an injection volume per inch of tree diameter at breast height (DBH) or foot of shrub height.

Step 3: Refer to the Table 5 below to determine the amount of time that is required to deliver the desired volume per injection site. The example highlighted in Table 5 shows that 10 seconds are required per inch of tree DBH or foot of shrub height when injecting 1 quart of solution per site using a flow rate of 1.5 gallons per minute.

Step 4: Determine how much solution to mix.

Step 5: Refer to the Table 6 below to determine the amount of ACELEPRYN® that must be mixed in the desired volume of water based on the injection volume identified above. The example highlighted in Table 6 shows that 25 fluid ounces of ACELEPRYN® must be mixed in 50 gallons of water when applying 0.125 fluid ounces of product per inch of DBH or foot of shrub height using one quart of solution per inch of DBH or foot of shrub height.

TABLE 5: Ornamental Soil Treatment Application Calibration Chart

Volume per Site*	Flow Rate (Gallons per minute)					
	0.5 gallons	0.75 gallons	1.0 gallons	1.5 gallons	2.0 gallons	3.0 gallons
1 pint	15.0 sec.	10.0 sec.	7.5 sec.	5.0 sec.	3.75 sec.	2.5 sec.
1 quart	30.0 sec.	20.0 sec.	15.0 sec.	10.0 sec.	7.5 sec.	5.0 sec.
2 quarts	1.0 min	40.0 sec.	30.0 sec.	20.0 sec.	15.0 sec	10.0 sec.
1 gallon	2.0 min.	1 min. 20 sec.	1.0 min.	40.0 sec.	30.0 sec.	20.0 sec.

* Site = Soil injection site – the selected volume is applied per inch of tree DBH or foot of shrub height.

TABLE 6: Ornamental Soil Treatment Application Mixing Chart

Volume per Site*	Application Rate Per Inch or Foot	Product per 100 Gallons	Product per 50 Gallons	Product per 25 Gallons	Product per 10 Gallons	Product per 1 Gallon
1 pint	0.0625 fl. oz.	50 fl. oz.	25 fl. oz.	12.5 fl. oz.	5 fl. oz.	0.5 fl. oz.
	0.125 fl. oz.	100 fl. oz.	50 fl. oz.	25 fl. oz.	10 fl. oz.	1 fl. oz.
	0.25 fl. oz.	200 fl. oz.	100 fl. oz.	50 fl. oz.	20 fl. oz.	2 fl. oz.
1 quart	0.0625 fl. oz.	25 fl. oz.	12.5 fl. oz.	6.25 fl. oz.	2.5 fl. oz.	0.25 fl. oz.
	0.125 fl. oz.	50 fl. oz.	25 fl. oz.	12.5 fl. oz.	5 fl. oz.	0.5 fl. oz.
	0.25 fl. oz.	100 fl. oz.	50 fl. oz.	25 fl. oz.	10 fl. oz.	1 fl. oz.
2 quarts	0.0625 fl. oz.	12.5 fl. oz.	6.25 fl. oz.	3.125 fl. oz.	1.25 fl. oz.	0.125 fl. oz.
	0.125 fl. oz.	25 fl. oz.	12.5 fl. oz.	6.25 fl. oz.	2.5 fl. oz.	0.25 fl. oz.
	0.25 fl. oz.	50 fl. oz.	25 fl. oz.	12.5 fl. oz.	5 fl. oz.	0.5 fl. oz.
1 gallon	0.0625 fl. oz.	6.25 fl. oz.	3.125 fl. oz.	1.56 fl. oz.	0.625 fl. oz.	0.0625 fl. oz.
	0.125 fl. oz.	12.5 fl. oz.	6.25 fl. oz.	3.125 fl. oz.	1.25 fl. oz.	0.125 fl. oz.
	0.25 fl. oz.	25 fl. oz.	12.5 fl. oz.	6.25 fl. oz.	2.5 fl. oz.	0.25 fl. oz.

Broadcast Applications to Flower Beds and Groundcovers:

ACELEPRYN® may be applied for white grub control in flower beds and groundcovers. Flower bed and groundcover application rates are listed in Table 7. Apply in sufficient water to uniformly cover the area being treated (a minimum of 2 gallons per 1,000 square feet is recommended for flower bed and groundcover applications). Irrigate immediately after application or allow rainfall to move the product into the soil. ACELEPRYN® may be applied to flower beds and groundcovers either before planting or after plants have been established.

TABLE 7: Ornamental Flowers and Groundcovers Soil Treatment Application Rates

Target Pest	Product per Acre	Product per 1,000 Square Feet	lbs. AI/A
White Grubs (Asiatic garden beetle, European chafer, green June beetle, Japanese beetle, May/June beetles (Phyllophaga spp.), northern masked chafer, oriental beetle and southern masked chafer)	8.0 fl. oz.	0.184 fl. oz.	0.104
	16.0 fl. oz.	0.367 fl. oz.	0.208

Bark Applications:

Apply ACELEPRYN® to the trunks and lower branches of trees and shrubs to control clearwing moth borer larvae. Bark treatment application rates are listed in Table 8. Make applications after the emergence of adult moths and before their eggs hatch. Thorough coverage of the bark is required for satisfactory control. Adult emergence varies according to pest species, host tree, environmental conditions and geographic location. Consult your local Syngenta Professional Products representative, Cooperative Extension Service specialist or pest control advisor for regionally specific information regarding application timing.

TABLE 8: Ornamental Application Bark Treatment Rates

Target Pests	Product per 100 Gallons	Lbs. AI per 100 Gallons	PPM	Percent AI (wt/vol)
Clearwing Borers, including peachtree borer	4.0 fl. oz.	0.052	62.5	0.00625
	8.0 fl. oz.	0.104	125	0.0125
	16.0 fl. oz.	0.208	250	0.025
For maximum residual control of the pests listed above.	32.0 fl. oz.	0.416	500	0.05

Formula for Determining the Active Ingredient Content of the Finished Spray Mixture:

The following formula may be used to determine the percent active ingredient (wt/wt) that is in the spray tank after mixing ACELEPRYN®.

$$\frac{(18.4) \times (\text{Fluid ounces of ACELEPRYN}^{\circledR} \text{ added to spray tank})}{(\text{Gallons of finished spray mix}) \times (128)} = \text{Percent Active Ingredient of spray mix}$$

APPLICATION EQUIPMENT PREPARATION

1. Application equipment must be clean and free of previous pesticide deposits before mixing ACELEPRYN®.
2. Use clean, well maintained and properly calibrated application equipment.
3. Fill sprayer tank 1/4 to 1/2 full of water.
4. Shake the container of ACELEPRYN® well before pouring.
5. Then add ACELEPRYN® directly to the sprayer tank.
6. Mix thoroughly to fully disperse the insecticide and continue agitation to keep the insecticide in suspension. Use mechanical or hydraulic agitation. Do not use air agitation.
7. It is recommended that the mixture not be stored in the spray or mix tank overnight.

Tank-mixtures:

ACELEPRYN® may be tank-mixed with other pesticides. When tank-mixing ACELEPRYN® with other pesticides, observe all precautions and limitations on each separate product label. Do not exceed label dosage rates. ACELEPRYN® may not be mixed with any product containing a label prohibition against such mixing. The physical compatibility of ACELEPRYN® will vary with different sources of pesticide products and local cultural practices. For a tank-mixture test, prepare on a small scale (pint or quart jar) using the proper proportions of pesticides and water to ensure the physical compatibility of the mixture.

Tank-mixing Sequence:

Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after the addition of each product.

1. Water soluble bags
2. Water dispersible granules
3. Wettable powders
4. ACELEPRYN® and other water-based suspension concentrates
5. Water soluble concentrates
6. Oil-based suspension concentrates
7. Emulsifiable concentrates
8. Adjuvants, surfactants, oils
9. Soluble fertilizers
10. Drift retardants

APPLICATION EQUIPMENT CLEANING

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all application equipment to reduce the risk of forming hardened deposits that might become difficult to remove. Drain application equipment. Thoroughly rinse application equipment and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean equipment near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

INTEGRATED PEST MANAGEMENT (IPM) PROGRAMS

ACELEPRYN® is recommended for IPM programs on turf and landscape ornamentals because it does not directly impact natural arthropod predator and parasitoid populations including ladybird beetles, lacewings, minute pirate bugs and predatory mites. The feeding behavior of predatory beneficial arthropods will aid in extending natural control of other insect and mite pests and will reduce the possibility of secondary pest outbreaks. ACELEPRYN® will reduce the target pest species that may serve as a food source for beneficial arthropods. If ACELEPRYN® is tank-mixed with an insect control product that negatively impacts beneficial arthropods, then the full benefit of ACELEPRYN® to the IPM program may not be realized.

RESISTANCE MANAGEMENT

Some insects are known to develop resistance to products used repeatedly for control. When this occurs, the labeled dosages fail to suppress the pest population below threshold levels. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of active classes of insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local Syngenta Professional Products representative, Cooperative Extension Service specialist or pest control advisor for the latest information on resistance management in your area.

Restrictions

- Do not formulate this product into other end-use products without written permission from Syngenta Professional Products.
- Do not apply this product through any type of irrigation system.
- Do not apply this product with aerial application equipment.

- Do not apply this product in commercial nurseries and greenhouses.
- Do not apply more than 38.3 fluid ounces (equivalent to 0.5 lbs. of active ingredient) of product per acre per year in broadcast applications to turfgrass.
- Keep people and pets away from treated area until treatment has dried
- Wait a minimum of 7 days to retreat.
- Always shake container well before use.
- The following restrictions are required to permit use of ACELEPRYN® in the State of New York:

Golf courses:

Greens, tee boxes: Do not apply this product within 25 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

Fairways: Do not apply this product within 50 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

All other use sites:

Do not apply this product within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

STORAGE AND DISPOSAL

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

Pesticide Storage

Do not subject to temperatures below 32 degrees F. Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage in or around the home.

Pesticide Disposal

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY




NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and of Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

Acelepryn®, the ALLIANCE FRAME, 
the SYNGENTA Logo 
and the PURPOSE ICON 
are Trademarks of a Syngenta Group Company
©2013 Syngenta

For non-emergency (e.g., current product information), call
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300
SCP 1489A-L1 0213 4021761

Not for Sale, Sale Into, Distribution
and/or Use in Nassau, Suffolk, Kings,
Queens Counties of New York State.

GROUP 28 INSECTICIDE



Insecticide

INTENDED FOR USE BY COMMERCIAL APPLICATORS ONLY.

For foliar and systemic control of white grubs and other listed pests infesting landscape and recreational turfgrass (including golf courses) as well as landscape ornamentals, interior plantscapes and sod farms.

0.5 gallon

**Net Contents
Non-refillable Container**

Active Ingredient:

Chlorantraniliprole*

3-Bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide 18.4%

Other Ingredients 81.6%

Total: 100.0%

*Chlorantraniliprole belongs to the anthranilic diamide chemical class. See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-1489 EPA Est. No. 70815-GA-002

KEEP OUT OF REACH OF CHILDREN

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

HOT LINE NUMBER: For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), call **1-800-888-8372**

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Manufactured for:

Syngenta Crop Protection, LLC
P.O. Box 18300

Greensboro, North Carolina 27419-8300

SCP 1489A-L1 0213 4021761



BAR CODE # IS
(01) 0 07 02941 53196
LAST DIGIT IS CHECK DIGIT
(Barcode type: UCC/EAN 128)

Precautionary Statements

Hazards to Humans and Domestic Animals

When used as directed this product does not present a hazard to humans or domestic animals.

Environmental Hazards: This pesticide is toxic to aquatic invertebrates, oysters and shrimp. Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to use sites.

Surface Water Advisory: This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of chlorantraniliprole from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Ground Water Advisory: This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

**SCP 1489A-L2 0213
4021935**

STORAGE AND DISPOSAL

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

Pesticide Storage: Do not subject to temperatures below 32 degrees F. Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Not for use or storage in or around the home.

Pesticide Disposal: Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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SECTION 1. IDENTIFICATION

Product name : ACELEPRYN

Design code. : A16130J

Product Registration number : 100-1489

Manufacturer or supplier's details

Company name of supplier : Syngenta Crop Protection, LLC

Address : Post Office Box 18300
Greensboro NC 27419
United States of America (USA)

Telephone : 1 800 334 9481

Telefax : 1 336 632 2192

Emergency telephone : 1 800 888 8372

Recommended use of the chemical and restrictions on use

Recommended use : Insecticide

Restrictions on use : General Use Pesticide

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 29 CFR 1910.1200**

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Components**

Chemical name	CAS-No.	Concentration (% w/w)
chlorantraniliprole	500008-45-7	18.3486
propane-1,2-diol	57-55-6	>= 1 - < 5
dioxosilane	14808-60-7	>= 0.1 - < 1

Actual concentration is withheld as a trade secret

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SECTION 4. FIRST AID MEASURES

- General advice : Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
- If inhaled : Take the victim into fresh air.
If breathing is irregular or stopped, administer artificial respiration.
Keep patient warm and at rest.
Call a physician or poison control center immediately.
- In case of skin contact : Take off all contaminated clothing immediately.
Wash off immediately with plenty of water.
If skin irritation persists, call a physician.
Wash contaminated clothing before re-use.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses.
Immediate medical attention is required.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.
Do NOT induce vomiting.
- Most important symptoms and effects, both acute and delayed : Nonspecific
No symptoms known or expected.
- Notes to physician : There is no specific antidote available.
Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Extinguishing media - small fires
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media - large fires
Alcohol-resistant foam
or
Water spray
- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.
- Specific hazards during fire fighting : As the product contains combustible organic ingredients, fire will produce dense black smoke containing hazardous products of combustion (see section 10).
Exposure to decomposition products may be a hazard to health.
- Further information : Do not allow run-off from fire fighting to enter drains or water courses.
Cool closed containers exposed to fire with water spray.

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Special protective equipment for fire-fighters : Wear full protective clothing and self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents. Retain and dispose of contaminated wash water.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : No special protective measures against fire required. Avoid contact with skin and eyes. When using do not eat, drink or smoke. For personal protection see section 8.
- Conditions for safe storage : No special storage conditions required. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
chlorantraniliprole	500008-45-7	TWA	5 mg/m ³	Syngenta
		TWA	10 mg/m ³ (Total dust)	Supplier
		TWA	5 mg/m ³ (Respirable dust)	Supplier
propane-1,2-diol	57-55-6	TWA	10 mg/m ³	US WEEL
dioxosilane	14808-60-7	TWA (respirable)	10 mg/m ³ / %SiO ₂ +2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO ₂ +5	OSHA Z-3

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		TWA (Respirable particulate matter)	0.025 mg/m ³ (Silica)	ACGIH
		TWA (Respirable dust)	0.05 mg/m ³ (Silica)	NIOSH REL
		TWA (Respirable dust)	0.05 mg/m ³	OSHA Z-1

Engineering measures : THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THE PRODUCT. FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Remarks : No special protective equipment required.

Eye protection : No special protective equipment required.

Skin and body protection : No special protective equipment required. Select skin and body protection based on the physical job requirements.

Protective measures : The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : gray

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Odor	:	like alcohol, weak
Odor Threshold	:	No data available
pH	:	5 - 9 Concentration: 1 % w/v
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Method: Pensky-Martens closed cup does not flash
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Density	:	1.09 g/cm ³
Solubility(ies) Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	995 °F / 535 °C
Decomposition temperature	:	No data available
Viscosity Viscosity, dynamic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	None reasonably foreseeable.
Chemical stability	:	Stable under normal conditions.

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Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : No decomposition if used as directed.

Incompatible materials : None known.

Hazardous decomposition products : No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion
Inhalation
Skin contact
Eye contact

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat, female): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 4.75 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat, male and female): > 5,000 mg/kg

Components:

chlorantraniliprole:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5.2 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat): > 5,000 mg/kg

Skin corrosion/irritation

Product:

Species : Rabbit
Result : No skin irritation

Components:

chlorantraniliprole:

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Species : Rabbit
Result : No skin irritation

Serious eye damage/eye irritation

Product:

Species : Rabbit
Result : No eye irritation

Components:

chlorantraniliprole:

Species : Rabbit
Result : No eye irritation

Respiratory or skin sensitization

Product:

Test Type : Local lymph node assay (LLNA)
Species : Mouse
Result : Did not cause sensitization on laboratory animals.

Components:

chlorantraniliprole:

Species : Guinea pig
Result : Did not cause sensitization on laboratory animals.

Germ cell mutagenicity

Components:

chlorantraniliprole:

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

Carcinogenicity

Components:

chlorantraniliprole:

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

IARC Group 1: Carcinogenic to humans
 dioxosilane 14808-60-7

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP Known to be human carcinogen
 dioxosilane 14808-60-7

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Reproductive toxicity**Components:****chlorantraniliprole:**

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility.

STOT-single exposure**Components:****chlorantraniliprole:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT-repeated exposure**Components:****chlorantraniliprole:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

dioxosilane:Routes of exposure : Inhalation
Target Organs : Lungs
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.**Repeated dose toxicity****Components:****chlorantraniliprole:**

Remarks : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration toxicity**Components:****chlorantraniliprole:**

No aspiration toxicity classification

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 100 mg/l
Exposure time: 96 h

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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.052 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Raphidocelis subcapitata (freshwater green alga)): > 100 mg/l
Exposure time: 96 h

NOEC (Raphidocelis subcapitata (freshwater green alga)): 31.3 mg/l
Exposure time: 96 h

Components:

chlorantraniliprole:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 13.8 mg/l
Exposure time: 96 h

LC50 (Lepomis macrochirus (Bluegill sunfish)): > 15.1 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 0.0116 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Raphidocelis subcapitata (freshwater green alga)): > 2 mg/l
Exposure time: 96 h

EC50 (Lemna gibba (gibbous duckweed)): > 2 mg/l
Exposure time: 14 d

M-Factor (Acute aquatic toxicity) : 10

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 0.11 mg/l
Exposure time: 90 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.00447 mg/l
Exposure time: 21 d

NOEC (Chironomus riparius (harlequin fly)): 0.0025 mg/l
Exposure time: 28 d

M-Factor (Chronic aquatic toxicity) : 10

Persistence and degradability

Components:

chlorantraniliprole:

Biodegradability : Result: Not readily biodegradable.

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Bioaccumulative potential

Components:

chlorantraniliprole:

Bioaccumulation : Remarks: Does not bioaccumulate.

Mobility in soil

Components:

chlorantraniliprole:

Distribution among environmental compartments : Remarks: immobile

Other adverse effects

Components:

chlorantraniliprole:

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Do not contaminate ponds, waterways or ditches with chemical or used container.
Do not dispose of waste into sewer.
Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.
Triple rinse containers.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLORANTRANILIPROLE)
Class : 9
Packing group : III

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Labels : 9

IATA-DGR

UN/ID No. : UN 3082
 Proper shipping name : Environmentally hazardous substance, liquid, n.o.s. (CHLORANTRANILIPROLE)
 Class : 9
 Packing group : III
 Labels : Miscellaneous
 Packing instruction (cargo aircraft) : 964
 Packing instruction (passenger aircraft) : 964
 Environmentally hazardous : yes

IMDG-Code

UN number : UN 3082
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CHLORANTRANILIPROLE)
 Class : 9
 Packing group : III
 Labels : 9
 EmS Code : F-A, S-F
 Marine pollutant : yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

Remarks : Shipment by ground under DOT is non-regulated; however it may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove and wash contaminated clothing before re-use.

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
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		(lbs)	(lbs)
orthophosphoric acid	7664-38-2	5000	*

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

The ingredients of this product are reported in the following inventories:

TSCA : On or in compliance with the active portion of the TSCA inventory

TSCA list

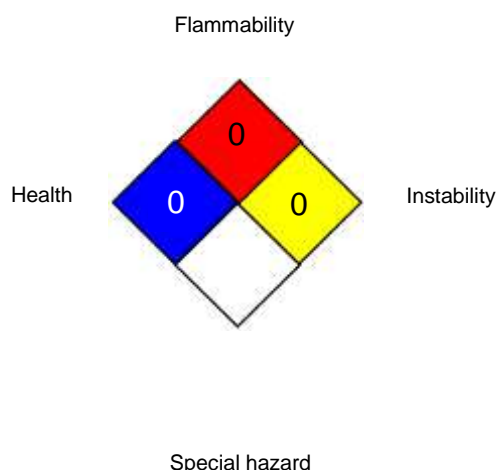
No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH	*	0
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
 NIOSH REL : USA. NIOSH Recommended Exposure Limits
 OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

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OSHA Z-3	:	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
US WEEL	:	USA. Workplace Environmental Exposure Levels (WEEL)
ACGIH / TWA	:	8-hour, time-weighted average
NIOSH REL / TWA	:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA Z-1 / TWA	:	8-hour time weighted average
OSHA Z-3 / TWA	:	8-hour time weighted average
US WEEL / TWA	:	8-hr TWA

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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US / Z8