



Material Safety Data Sheet

Trade Name: Shaw's® Turf Fertilizer with 0.067% Acelepryn™ Insecticide
EPA Reg. No.: 8378-70

SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufacturer or Formulator: Knox Fertilizer Co., Inc.
P.O. Box 248
Knox, IN 46534

Product Name: Acelepryn plus Fertilizer
Common Name: E2Y45 Insecticide + Fertilizer
Chemical Type: Insecticide + Fertilizer

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name/Synonyms	C.A.S. No.	% WT
Chlorantraniliprole	500008-45-7	0.067 %
Inert Ingredients		99.933 %

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview

Caution

Causes moderate eye irritation. Do not get in eyes or on clothing. Wash thoroughly with soap and water after handling.

This product is toxic to: Aquatic invertebrates

Potential Health Effects

This section includes potential adverse effects which could occur if this material is not used according to the label.

Eyes: May cause: Irritation with discomfort, pain, redness, or visual impairment.

Carcinogenicity

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 4 FIRST AID MEASURES

Skin contact: The material is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.

Eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre or doctor for treatment advice.

Inhalation: No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

Ingestion: No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

General 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 toll free 1-877-726-6275. See Label for Additional Precautions and Direction

SECTION 5**FIRE FIGHTING MEASURES**

Suitable extinguishing media: Water spray, Foam, Dry chemical, Carbon dioxide (CO₂)

Firefighting Instructions: In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment. (on small fires)
If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated.
Cool containers / tanks with water spray.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Spill Cleanup: Clean up promptly by scoop or vacuum. Shovel into suitable container for disposal.

Accidental Release Measures: Prevent further leakage or spillage. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Never return spills in original containers for re-use. Follow applicable Federal, State/Provincial and Local laws/regulations.

SECTION 7**HANDLING AND STORAGE**

Handling (Personnel): Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing.

Storage: 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

SECTION 8**EXPOSURE CONTROLS/PERSONAL PROTECTION**

Hand protection:

Skin and body protection: Applicators and other handlers must wear:
Long sleeved shirt and long pants
Shoes plus socks
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:
Long sleeved shirt and long pants
Shoes plus socks

Protective measures: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Exposure Guidelines:

Exposure Limit Values

Chlorantraniliprole

AEL*	(DUPONT)	10 mg/m ³	8 & 12 hr. TWA	Total dust.
AEL*	(DUPONT)	5 mg/m ³	8 & 12 hr. TWA	Respirable dust.

*AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Form:	solid, granules
Color:	black, green, off-white, white, yellow, blue
Odor:	mild, pungent
pH:	6.9 - 7.9
Bulk density:	0.84 - 1.04 g/ml (Tapped)

SECTION 10**STABILITY AND REACTIVITY**

Stability:	Stable at normal temperatures and storage conditions.
Conditions to avoid:	None reasonably foreseeable.

SECTION 11**TOXICOLOGY INFORMATION**

Dermal LD₅₀ :	> 5,000 mg/kg, rat
Oral LD₅₀ :	> 5,000 mg/kg, rat
Skin irritation:	Species: rabbit, No skin irritation
Eye irritation:	Species: rabbit, Moderate eye irritation (Data on the product itself)
Sensitisation:	Species: mouse, Animal test did not cause sensitization by skin contact.
Further information:	Information given is based on data on the components and the toxicology of similar products.

Chlorantraniliprole

Inhalation 4 h LC₅₀ :	> 5.2 mg/l, rat
Repeated dose toxicity:	Oral - feed, rat 8,000 ppm No toxicologically significant effects were found. Oral - feed, rat 20,000 ppm No toxicologically significant effects were found. Dermal, rat 300 ppm No toxicologically significant effects were found. Oral - feed, mouse 7,000 ppm
Carcinogenicity:	Did not show carcinogenic effects in animal experiments.
Mutagenicity:	Tests on bacterial or mammalian cell cultures did not show mutagenic effects in animal experiments.
Toxicity to reproduction:	Animal testing did not show any effects on fertility.
Teratogenicity:	Did not show teratogenic effects in animal experiments.

SECTION 12**ECOLOGICAL INFORMATION****Aquatic Toxicity**

Chlorantraniliprole

96 h LC₅₀ : *Oncorhynchus mykiss* (rainbow trout) 13.8 mg/l**72 h EC₅₀ :** *Pseudokirchneriella subcapitata* (green algae) > 2 mg/l**48 h EC₅₀ :** *Daphnia magna* (Water flea) 0.0116 mg/l**Toxicity to other organisms**

Chlorantraniliprole

LD₅₀ : *Colinus virginianus* (Bobwhite quail) > 2,250 mg/kg

Additional ecological information: Environmental Hazards: Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination. See product label for additional application instructions relating to environmental precautions.

SECTION 13**DISPOSAL CONSIDERATIONS**

Waste Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Refer to the product label for instructions.
Do not refill container.
Do not reuse empty container.

SECTION 14**TRANSPORT INFORMATION****SECTION 15****REGULATORY INFORMATION**

SARA 313 Regulated Chemical(s): 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.

EPA Reg. No.: 352-734
In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPATSCA.

California Prop. 65: Chemicals known to State of California to cause cancer, birth defects or any other harm: none known

SECTION 16**OTHER INFORMATION**

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Reviewed by: Regulatory Affairs Department Telephone: 574.772.6275

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