

Material Safety Data Sheet
Knox Fertilizer Company, Inc.

SECTION 1

PRODUCT IDENTIFICATION

TRADE NAME: *Shaw's® Turf Food with *Acelepryn™ 0.067 + *Dimension® 0.130, 0.167, 0.222, 0.253

EPA REGISTRATION NO: 8378-71, -72, -73, -74
CHEMICAL FAMILY: Fertilizer with Insecticide, Fertilizer with Herbicide
CHEMICAL NAME/SYNONYMS: Acelepryn™ (Chlorantraniliprole), Dimension® (Dithiopyr)

MANUFACTURER/FORMULATOR: Knox Fertilizer Co., Inc.
P. O. Box 248
Knox, IN 46534

EMERGENCY PHONE: 1.800.424.9300

*Shaw's® is a registered trademark of Knox Fertilizer Co., Inc.

*Acelepryn™ is a registered trademark of E. I. Dupont de Nemours and Company or its affiliates

*Dimension® is a registered trademark of Dow AgroSciences LLC

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Ingredients</u>	<u>CAS No.</u>	<u>% by Weight</u>	<u>PEL/TLV</u>
Acelepryn™ (chlorantraniliprole)	500008-45-7	0.067	None Established
Dimension® (dithiopyr)	97886-45-6	0.130 – 0.253	None Established
Other Ingredients		99.830 – 99.680	

SECTION 3

HAZARDS IDENTIFICATION

CAUTION: KEEP OUT OF REACH OF CHILDREN

This product is a light yellow to brown-colored granule with sulfur-like odor. Primary routes of entry are inhalation, ingestion, eye contact and skin contact.

SECTION 4

FIRST AID MEASURES

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

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advise.

INGESTION: Call a poison control center or doctor immediately for treatment advise. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

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

SECTION 5**FIRE FIGHTING MEASURES**

FLASH POINT (METHOD):	Not Applicable
FLAMMABLE LIMITS (LEL & UEL):	Not Applicable
EXTINGUISHING MEDIA:	Considered non-combustible. Use medium appropriate to surrounding Fire: Dry chemical, CO ₂ , foam, water spray or fog.
HAZARDOUS COMBUSTION PRODUCTS:	May include but are not limited to oxides of carbon, hydrogen chloride, hydrogen fluoride, oxides of nitrogen, oxides of phosphorus, oxides of sulfur, hydrogen sulfide.
SPECIAL FIRE FIGHTING PROCEDURES:	Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Dusts or vapors can travel to sources of ignition and flash back.

SECTION 6**ACCIDENTIAL RELEASE MEASURES**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Clean up promptly by scoop or vacuum. Shovel into suitable container for disposal. 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: Store in a cool dry place away from children, feed, food products, and seed.
OTHER PRECAUTIONS: Toxic to fish and other aquatic organisms. Do not contaminate water supplies by handling and storage of the product. Drift or runoff may adversely affect aquatic invertebrates and non-target plants.

SECTION 8**EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS:	Not normally required.
RESPIRATORY PROTECTION:	Not normally required. If vapors or dust exceed acceptable levels, wear a MSHA/NIOSH approved pesticide respirator.
EYE PROTECTION:	Chemical goggles or shielded safety glasses.
SKIN PROTECTION:	Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.
WORKER HYGENIC PRACTICES:	After using product, remove clothing and launder separately before reuse. Promptly and thoroughly wash hands and exposed skin with soap and water. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
GENERAL COMMENTS:	Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE AND ODOR: Light yellow to brown-colored granules with sulfur-like odor.	
SPECIFIC GRAVITY: Not Applicable	SOLUBILITY IN WATER: Not Soluble
VAPOR PRESSURE: Not Applicable	VAPOR DENSITY: Not Applicable
BOILING POINT: Not Applicable	MELTING POINT: Not Applicable
PERCENT VOLATILE: Not Applicable	pH: Not Applicable
EVAPORATION RATE: Not Applicable	Bulk Density: 45-65 lbs./cu. ft.

SECTION 10

STABILITY AND REACTIVITY

STABILITY:	Stable at normal temperatures and storage conditions
CONDITIONS TO AVOID:	Extremely high temperatures; ignition sources
INCOMPATIBLE MATERIALS:	Strong oxidizers or strong alkalies
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of nitrogen, carbon and sulfur
HAZARDOUS POLYMERIZATION:	Not known to occur

SECTION 11

TOXICOLOGICAL INFORMATION

ACUTE DERMAL LC₅₀: >5,000 mg/kg, rat	ACUTE ORAL LD₅₀: >5,000 mg/kg, rat
EYE EFFECTS: May cause irritation	SKIN EFFECTS: May cause irritation
INHALATION: May cause respiratory tract irritation	INGESTION: May cause stomach distress, nausea or vomiting
CARCINOGENIC POTENTIAL: Not listed: OSHA, NTP, IARC, ACGI	

SECTION 12

ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: This product is highly toxic to fish and highly toxic to other aquatic organisms, including oysters and shrimp. Drift or runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites. Do not apply to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from treated areas. See product label for additional application instructions relating to environmental precautions.

SECTION 13

DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL: Waste resulting for the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state or local procedures.

CONTAINER DISPOSAL: Do not reuse bag. Completely empty bag into application equipment. Dispose of emptied bag(s) in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION 14

TRANSPORT INFORMATION

DOT SHIPPING DESCRIPTION: Not regulated
U.S. SURFACE FREIGHT CLASSIFICATION: Fertilizing compounds, NOI; Dry (NMFC 68140, Sub 5; Class 50)

SECTION 15

REGULATORY INFORMATION

SARA TITLE III**SEC 311/312:**

Y Immediate (Acute Health)
Y Delayed (Chronic Health)
N Fire
N Sudden Release of Pressure
Y Reactivity

SEC 320: Not Applicable
SEC 304: Not Applicable
SEC 313: Not Applicable
CERCLA RQ: Not Applicable
CAA RQ: Not Applicable

National Fire Protection Association (NFPA) Ratings:

Health: 2

Fire: 1

Reactivity: 1

Specific: none

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 EPA/TSCA.

SECTION 16

OTHER INFORMATION

Issue Date: 15 FEB 2010

This information is taken from sources and based upon data believed to be reliable. However, Knox Fertilizer Co., Inc. makes no warranty as to the absolute correctness or sufficiency of any of the foregoing, or that additional or other measures may not be required under particular conditions. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED. It is the user's responsibility to satisfy him/herself as to the suitability and completeness of such information for his/her particular use. We do not accept liability for any loss or damage that may occur from the use of this information.

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