



Material Safety Data Sheet

Trade Name: **Shaw's® Turf Food with Dimension® 80, 100, 130, 170, 250**

EPA Reg. No.: 8378-48, -49, -50, -51, -53

SECTION 1

CHEMICAL PRODUCT AND COMPANY INFORMATION

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

Chemical Family: Fertilizer with Herbicide
Common Name: Dimension®, Dithiopyr
Chemical Type: Pyridine Herbicide

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	C.A.S. No.	% (by WT)	PEL	TLV
Dimension (dithiopyr)	97886-45-8	0.08 – 0.25	None Established	None Established
Inert Ingredients (Fertilizer Carrier)		99.92 – 99.75	None Established	10 mg/M ³ (dust)

SECTION 3

HAZARDS IDENTIFICATION

Ingestion: Minimal hazard under normal conditions and use. Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.

Inhalation: Extremely dusty conditions may be harmful.

Eye Contact: Dust from this product may cause particulate discomfort to eyes.

Skin Absorption: Not normally absorbed through the skin.

Skin Contact: Slight dermal abrasion or potential allergic reaction in some individuals is possible with prolonged contact, especially around cuffs and collars.

Effects of Overdose: Ingestion of large doses may cause diarrhea, nausea, abdominal cramps or formation of methemoglobinemia. Seek medical attention.

SECTION 4

FIRST AID MEASURES

Ingestion: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by 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 advice.

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 advice.

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 advice.

SECTION 5

FIRE FIGHTING MEASURES

Extinguishing Media: Use media suitable to extinguish source of fire.

Special Fire Fighting Procedures: Product is not combustible.

Hazardous Combustion Products: If heated to decomposition, will give off toxic fumes of ammonia and formaldehyde. May include but are not limited to cyanuric acid, biuret, oxides of carbon, hydrogen chloride, hydrogen fluoride, oxides of nitrogen, oxides of phosphorus, oxides of sulfur, hydrogen sulfide.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Keep spills and cleaning run-off out of municipal sewer systems and open bodies of water.

Steps to be taken in case material is released or spilled: Avoid breathing dusts. Sweep up dry spills immediately and transfer to suitable containers for land application according to labeled use or for disposal. Check local, state and federal regulations for proper disposal.

SECTION 7

HANDLING AND STORAGE

Handling: Store in a cool dry place away from children, feed, food products, and seed.

Other Precautions: Do not contaminate water supplies by handling and storage of product.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation recommended

Respiratory Protection: Not normally required. If vapors or dusts exceed acceptable levels, wear a MSHA/NIOSH approved pesticide respirator.

Protective Clothing: Wear protective clothing: long-sleeved shirts and pants, shoes with socks. Wear impervious gloves.

Eye Protection: Chemical goggles or shielded safety glasses.

Worker Hygienic 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.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: Not Applicable

pH: Not Determined

Evaporation Rate: Not Applicable

Appearance and Odor: Light yellow to brown-colored granules with slight sulfur odor.

Solubility in Water: Partially soluble

% Volatiles (by volume): Not Applicable

Vapor Density: Not Applicable

Vapor Pressure, mm Hg: Not Applicable

Bulk Density: 45 – 65 lbs./cu ft.

SECTION 10

STABILITY AND REACTIVITY

Stability (Normal Conditions): Stable

Conditions to Avoid: Extremely high temperatures; ignition sources

Incompatibility (Materials to Avoid): Strong oxidizers or strong alkalis

Hazardous Decomposition Products: Ammonia, Formaldehyde, Biuret, Cyanuric acid, Oxides of nitrogen, carbon and sulfur

Hazardous Polymerization: Not known to occur.

Conditions to Avoid:

SECTION 11

TOXICOLOGY INFORMATION

Eye Effects: No Data

Skin Effects: No Data

Acute Oral LD₅₀: No Data

Acute Dermal LC₅₀: No Data

Inhalation LC₅₀: No Data

Sensitization: Not a sensitizer

Acute Effects from Overexposure: Causes eye irritation; may cause skin irritation.

Chronic Effects from Overexposure: Prolonged or repeated overexposure to the active ingredient could cause kidney, liver, blood effect, thyroid damage, adrenal effects.

Carcinogenic Potential: Not listed: OSHA, NTP, IARC, ACGIH

SECTION 12**ECOLOGICAL INFORMATION**

ENVIRONMENTAL DATA: This product is 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.

SECTION 13**DISPOSAL CONSIDERATIONS**

Product Disposal: Waste resulting from 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**

D.O.T. Number: Not Regulated

Shipping Name: Not Applicable

Reportable Quantity (RQ): Not Applicable

Hazard Class: Not Applicable

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 302: 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: 0

Specific: none

Disclaimer: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. **NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE INFORMATION HEREIN PROVIDED.** It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

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