

KNOX FERTILIZER COMPANY, INC.  
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# MATERIAL SAFETY DATA SHEET

TUPERSAN® 470 GRANULES  
REVISED: NEW  
APPROVED: 02-28-02 RLH

## 1. Chemical Product

**Emergency Contact:** Chemtrec

**Emergency Telephone Number:** 800-424-9300

Product name: Shaw's Tupersan 470 Granules

EPA Registration Number(s) 8378-64

Chemical Name: (Siduron)

\*Chemical name of active: N-(2-Methylcyclohexyl)-N'-phenylurea

Product Description: Shaw's Tupersan 470 Granules contain 4.7% [Siduron] a preemergent herbicide, on an inert carrier. Tupersan can be used at the same time as new grass seed planting, for the control of annual grasses: like crabgrass, without damage to new seedling grass plants. Always read the pesticide label for complete application and safety instructions.

## 2. Composition/Information on Ingredients

Ingredient: Siduron CAS#: 1982496

% by Weight: 4.7% Inert Ingredients:

% by Weight: 95.3%

PEL 15 mg/m3 (total) 5mg/m3 (respirable) OSHA

TLV 10 mg/m3 (total) 5 mg/m3 (respirable) ACGIH

## 3. Hazard Identification

\*\*\*\*\* EMERGENCY OVERVIEW\*\*\*\*\*

Light brown granules with mild solvent like odor.

**Potential Health Effects Primary Route(s) of Entry**

**Eyes:** Contact may irritate eyes.

**Skin:** May cause dermal irritation.

**Inhalation:** May irritate gastrointestinal tract.

**Chronic:** Repeated and/or prolonged overexposure to dust may cause chronic irritation of respiratory tract.

**Signs and Symptoms:** NI.

## 4. First Aid

**Eyes:** Flush contaminating chemicals from eyes with clean water for 10-15 minutes, holding lids open. If irritation persists, seek medical attention.

**Skin:** Remove contaminated clothing. Bathe and shampoo with soap and water to remove chemicals from skin and hair. If irritation persists, seek medical attention. Launder contaminated clothing separately prior to reuse.

**Inhalation:** Remove victim to fresh air. Administer artificial respiration if necessary. Call a physician if irritation persists.

**Ingestion:** No specific intervention is indicated, as the compound is not likely to be hazardous by ingestion. Consult a physician if irritation persists.

## 5. Fire Fighting Measures

**Flash Point - NI**

**Extinguishing Media**

Carbon Dioxide, Dry Chemical, Foam, or Water

**Fire Fighting Instructions**

Wear positive pressure breathing apparatus and full protective clothing.

Runoff from fire control may cause pollution. If surface water is contaminated, contact local pollution control agency.

UNUSUAL FIRE and EXPLOSION: NI

## 6. Accidental Release Measures

Refer to label instructions. Sweep up material, and use per label directions or dispose of in sanitary landfill.

## 7. Handling & Storage

**Handling Precautions**

Avoid contact with eyes or clothing

Food utensils such as spoons and measuring cups must not be used for food purposes after use in measuring pesticides.

Do not allow children or pets on treated areas until granules have been watered into the soil and the grass or soil is dry.

**Storage Precautions**

Do not contaminate water, food or feed by storage. Store in original container in a secured, dry storage area. Prevent cross-contamination with other pesticides and fertilizers.

**Work/Hygienic Practices**

Wash thoroughly with soap and water after handling. Wear the recommended PPE equipment.

## 8. Exposure Controls/Personal Protection

**Eye/Face Protection:** Safety glasses or goggles

**Skin Protection:** Impervious gloves

Applicators and other handlers must wear: - long pants and shoes and socks.

**Respiratory Protection:** A NIOSH-approved respirator is recommended if dust is above nuisance levels.

## 9. Physical & Chemical Properties

Appearance: Light brown particle mix/solid

Odor: A slight solvent odor to odorless. Basic Physical Properties

Physical State: Solid Boiling Point: N/A F

Melting Point: N/A F Vapor Pressure: N/A

Vapor Density (air=1):N/A Specific Gravity: N/A

Solubility (H2O): N/A Evaporation Rate: N/A

pH: N/A Bulk Density: (lbs./cu. ft.)30-40

## 10. Stability & Reactivity

Stability: Stable

Incompatible Materials: None known.

Hazardous Decomposition Products: None known.

Hazardous Polymerization: Will not occur.

## 11. Toxicological Information

No toxicological data available.

## 12. Ecological Information

Environmental Hazards: This product is toxic to fish. Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean high water mark. Use with care when applying in areas adjacent to any body of water. Do not apply where runoff could occur. Do not contaminate water when disposing of equipment washwaters.

## 13. Disposal Considerations

Do not contaminate water, food or feed by disposal. **Pesticide Disposal:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. **Container Disposal:** Completely empty bag (by shaking and tapping sides and bottom) into application equipment. Dispose of bag in a sanitary landfill or by incineration if allowed by state and local authorities. RCRA INFORMATION: RCRA HAZARDOUS WASTE INGREDIENT: None

## 14. Transport Information

PROPER SHIPPING NAME: Not DOT regulated

## 15. Regulatory Information

U.S. FEDERAL REGULATORY INFORMATION

EPA REGISTRATION NUMBER: 8378-64

TSCA INVENTORY: Registered pesticide; exempt from TSCA

Section 302 (EHS) ingredients: None

Section 304 (CERCLA & EHS) ingredients (RQ): None

Section 311/312 HAZARD CATEGORIES: Immediate Health Hazard

Section 313 None

SARA TITLE III NOTIFICATIONS AND INFORMATION

SARA TITLE III- HAZARD CLASSES:

Acute Health Hazard-"Yes" Chronic Health Hazard-"No"

Fire Hazard-"No" Sudden Release of pressure Hazard-"No"

Reactivity Hazard-"No"

## 16. Other Information

HMIS/NFPA HAZARD RATING:

HEALTH: 1 Slight FIRE: 1 Slight REACTIVITY: 0 Negligible

SPECIAL : None

MSDS Identification # KFC/MSDS 0003

Disclaimer or expressed and implied warranties: This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions. \* Would recommend Protection Rating "F" for poorly ventilated areas.

Approved: 02-28-02 RLH

Revised: New