

The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other counties.

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Material Safety Data Sheet

GardenTech Over'N Out Fire Ant Killer Mound Treatment

EPA Reg. No. 352-644-71004

December 2006

Product Code(s): 8028

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

CAS Number : 173584-44-6
CAS Name : (DPX-KN128 Active Ingredient)
Grade : OUTDOOR USE ONLY

Company Identification

MANUFACTURER/DISTRIBUTOR

TechPac, LLC.
P.O. Box 24830
Lexington, KY 40524

PHONE NUMBERS

Product Information : 1-800-969-7200
Transport Emergency : CHEMTREC 1-800-424-9300
Medical Emergency : Prosar 1-800-420-9347

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
INDOXACARB (S)-methyl 7-chloro-2, 5-dihydro-2 [[(methoxycarbonyl) [4 (trifluoromethoxy) phenyl] amino] carbonyl] indoxo [1, 2-e] [1, 3, 4] oxadiazine-4a- (3H) – carboxylate	173584-44-6	0.008
OTHER INGREDIENTS		99.992

HAZARDS IDENTIFICATION

Emergency Overview

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

(HAZARDS IDENTIFICATION – Continued)

Potential Health Effects

Based on animal testing, no biologically significant effects are expected from skin or eye contact or by ingestion.

Carcinogenicity Information

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

FIRST AID MEASURES

First Aid

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

IF ON SKIN OR CLOTHING: No specific intervention is indicated as the compound is not likely to be hazardous to the skin. Consult a physician if necessary.

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

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

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may contact 1-800-420-9347 for emergency medical treatment.

FIRE FIGHTING MEASURES

Flammable Properties

Not a fire or explosion hazard.

Extinguishing Media

Water, Water Spray, Foam, Dry Chemical, CO2.

(FIRE FIGHTING MEASURES - Continued)

Fire Fighting Instructions

Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. Runoff from fire control may be a pollution hazard.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

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

Initial Containment

Follow applicable Federal, State/Provincial and Local laws/regulations. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Shovel or sweep up. Avoid causing dust. Dispose of in an approved container.

HANDLING AND STORAGE

Handling (Personnel)

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

Storage

Store product in original container only. Store in a cool, dry place out of reach of children and domestic animals.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Keep container tightly closed.

Personal Protective Equipment

No PPE is specified for use when using this product according to label directions; however, avoid contact with skin, eyes and clothing.

(EXPOSURE CONTROLS/PERSONAL PROTECTION – Continued)

Exposure Guidelines

Exposure Limits

PEL (OSHA)	:	Particulates (Not Otherwise Regulated) 15 mg/m ³ , 8 Hr. TWA, total dust 5 mg/m ³ , 8 Hr. TWA, respirable dust
AEL *	:	1 mg/m ³ 8 & 12 Hr. TWA, Respirable

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

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Odor	:	Slight vegetable oil
Form	:	Granular-like
Color	:	Light yellow
Density	:	0.29-0.35 g/cc
Vapor Pressure	:	2.5 x 10 ⁽⁻⁸⁾ Pa (a.i.)
Solubility in Water	:	0.2 ppm (a.i.)

STABILITY AND REACTIVITY

Incompatibility with Other Materials

None reasonably foreseeable.

TOXICOLOGICAL INFORMATION

Animal Data

Oral LD50:	> 5000 mg/kg in rats
Dermal LD50:	> 5000 mg/kg in rabbits

This product is not a skin or eye irritant, and is not a skin sensitizer in animal tests.

ECOLOGICAL INFORMATION

Ecotoxicological Information

This product contains 0.008% active ingredient (calculated as the active isomer DPX-KN128).

Based on the laboratory test results conducted with a higher concentration technical material, the ecological toxicity risk potential is extremely low for aquatic and avian species when the product is applied according to label directions.

Note that the following results are based on tests conducted under laboratory conditions using DPX-MP062 Technical as the test substance. The DPX-MP062 Technical used in the tests contained 94.5% active ingredient in the form of the insecticidally active isomer DPX-KN128 and inactive isomer IN-KN127 in an approximately 75:25 ratio.

(94.5% DPX-MP062)

AQUATIC TOXICITY:

96 hour LC50 - Bluegill sunfish : 0.90 mg/L.
96 hour LC50 - Rainbow trout : 0.65 mg/L.
48 hour EC50 - Daphnia magna : 0.60 mg/L.

Based on the above results for fish and invertebrates, risk quotients (RQs) were < 0.002 and no levels of concern (LOCs) were exceeded.

TOXICITY:

Acute Oral LD50 - Bobwhite Quail : 98 mg/kg.
Acute Dietary LC50 - Bobwhite Quail : 808 ppm
Acute Dietary LC50 - Mallard Duck : >5620 ppm

Based on the above results for birds, acute RQs were < 0.03 and chronic RQs were < 0.1, and no LOCs were exceeded.

DISPOSAL CONSIDERATIONS

Waste Disposal

If empty: Do not reuse container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or 1-888-638-7668 for disposal instructions. Never place unused product down any indoor or outdoor drain.

ENVIRONMENTAL HAZARDS

Do not apply where/when conditions could favor runoff. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high

(DISPOSAL CONSIDERATIONS – Continued)

water mark. Cover, incorporate, or clean up granules that are spilled. Do not contaminate water when disposing of equipment rinsewater or put product or rinse water down any drain.

Container Disposal

If empty: Do not reuse container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or 1-888-638-7668 for disposal instructions. Never place unused product down any indoor or outdoor drain.

TRANSPORTATION INFORMATION

Shipping Information

DOT/IMP/IATA

Proper Shipping Name : Not Regulated

REGULATORY INFORMATION

U.S. Federal Regulations

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes
Chronic : No
Fire : No
Reactivity : No

In the United States this product is regulated by the US Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act. It is a violation of federal law to use this product in a manner inconsistent with its labeling.

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OTHER INFORMATION

NFPA, NPCA-HMIS

NFPA Rating
Health : 1
Flammability : 0
Reactivity : 0

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NPCA-HMIS Rating
Health : 1
Flammability : 0
Reactivity : 0

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.