

Knox Out® GH**MANUFACTURER****W.A. Cleary Chemical Corporation****Corporate Headquarters**1049 Route 27, P. O. Box 10
Somerset, NJ 08875-0010**Chemical Sales and Distribution Center**178 Ridge Road, Suite A
Dayton, NJ 08810-1501**Emergency Phone Numbers:**Monday-Friday 8:30-5:00 EDT
(800) 524-1662 (908) 329-8399
24 Hour CHEMTREC (800) 424-9300**PRODUCT IDENTIFICATION****Product Name:** Knox Out® GH Insecticide**W.A. Cleary Product Code:** 7030 (1 qt.), 7031 (1 gal.)**EPA REG. NO:** 4581-379-1001**Chemical Name:** O,O-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl]phosphorothioate
 $C_{12}H_{21}N_2O_3PS$ **Synonyms:** Diazinon**Chemical Family:** Organophosphate**INGREDIENT INFORMATION**

Hazardous Ingredients	Percent	Exposure Limits	
Diazinon (CAS No. 333-41-5)	23.0%	ACGIH-TLV/TWA	0.1 mg/M ³ (skin)
		OSHA-TWA	N/E

Contained in polymeric micro-capsules dispersed and suspended in water.

Contains no substances known to be carcinogens.

HEALTH HAZARD DATA**Effects of exposure to concentrate:****Irritation:** N/A**Corrosivity:** N/A**Skin Contact:** Not a Sensitizer**Inhalation Effects:** N/A**Lung Effects:** N/A**EMERGENCY AND FIRST AID PROCEDURES****Inhalation:** Remove to fresh air, Get medical attention if symptoms appear.**Ingestion:** Give 1 to 2 glasses of water. Induce vomiting. Get medical attention. Atropine is antidotal only if symptoms of cholinesterase inhibition are present. Morphine is contraindicated.**Skin Contact:** Flush with soap and water, get medical attention if symptoms appear. Remove and launder contaminated clothing.**Eye Contact:** Flush with plenty of water for at least 15 minutes. Get medical attention.**Chronic Effects of Overexposure:** Symptoms of acute organophosphate poisoning include headache, dizziness, weakness, incoordination, muscle twitching, tremor, nausea, abdominal cramps, diarrhea, and sweating.**FIRE AND EXPLOSION DATA****Flash Point (Method):** 96°C 205°F (TCC)**Flammable Limits:** N/A**Autoignition Temperature/Fire Point:** N/A**Extinguishing Media:** Water spray, water fog, water stream, CO₂, dry chemical, foam, and earth or sand.**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing.**Unusual Fire and Explosion Hazards:** Possible toxic fumes.**ACCIDENTAL RELEASE MEASURES****Steps to be taken in case material is released or spilled:** Absorb with sand or inert material. Sweep or scoop up and remove. Flush with water.**HANDLING AND STORAGE**

Precautions to be taken in handling and storing: Store in the original container, preferably in a locked storage area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur.

EXPOSURE CONTROLS/PERSONAL PROTECTION**Protective Clothing:** Wear protective clothing which prevents skin contact.**Eye Protection:** Use normal safety precautions.**Ventilation:** Always maintain exposure below permissible exposure limits. Use with adequate ventilation.**Respiratory Protection:** Not required. Use normal safety precautions.**Other:** Gloves—neoprene, butyl rubber, natural rubber, or polyethylene.**PHYSICAL AND CHEMICAL PROPERTIES****Boiling Point:** 100°C, 212°F**Melting Point:** N/A**Freezing Point:** 0°C, 32°F**Specific Gravity (H₂O = 1):** 1.041 @ 20/20°C**Vapor Pressure (mm Hg):** N/E**Vapor Density (Air = 1):** N/A**% Volatile:** N/A**Evaporation Rate:** Water = 1**Solubility in Water:** Disperses**Appearance and Odor:** Beige liquid, characteristic odor**REACTIVITY HAZARD DATA****Stability:** Stable**Conditions To Avoid:** Heat**Incompatibility:** Materials that react with water**Hazardous Polymerization:** N/A**Hazardous Decomposition Products:** Possible toxic substances from thermal degradation**TOXICOLOGICAL INFORMATION****TOXICITY DATA:****Oral (acute):** LD₅₀ (Rat) > 21,000 mg/kg**Dermal (acute):** LD₅₀ (Rabbit) > 10,000 mg/kg**Inhalation (acute):** LC₅₀ (Rat) > 22.42 mg/L (1 hr. exposure)**Chronic, Subchronic etc:** The active ingredient, diazinon, is a cholinesterase inhibitor to which repeated exposure may produce effects without symptoms.

Systems of acute organophosphate poisoning include headache, dizziness, weakness, incoordination, muscle twitching, tremor, nausea, abdominal cramps, diarrhea, and sweating.

TRANSPORTATION INFORMATION**DOT Shipping Description:**

ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (DIAZINON), 9, UN 3082, PG III, RQ

Reportable Quantity: 1 lb. (> 1/2 gallon)**Hazardous Substance:** Diazinon**DOT Label Requirements:** Placard @ > 1000 lbs. (960 gal.)**DISPOSAL**

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

REGULATORY INFORMATION**EPA SARA Title III Data:****Section 302 Substances:** N/A**RCRA Waste Number:** N/A**Section 311/312 Hazardous Categories:****Immediate Health:** Yes**Delayed Health:** No**Fire:** No**Sudden Pressure:** No**Reactive:** No**Section 313 Toxic Chemicals (40CFR 372):** This product contains the following chemicals subject to SARA Section 313 reporting requirements: Diazinon
CERCLA RQ: 1 lb.**CALIFORNIA PROP 65:** N/A**PLEASE NOTE:** W.A. CLEARY CHEMICAL CORPORATION believes that the information and recommendations contained herein are accurate as of the date hereof. The information provided herein applies only to the specific product designated and may not be valid where said product is used in combination with any other material or in any process. It is the user's responsibility to determine the suitability of the information for their purposes. No warranty of fitness for any particular purpose, warranty of merchantability, or

any other warranty, expressed or implied, is made concerning the information provided herein.

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