

Knox Out[®]GH

MATERIAL SAFETY DATA SHEET

Emergency Phone Number:
(908) 329-8399
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
C₁₂H₂₁N₂O₃PS

Synonyms: Diazinon
Chemical Family: Organophosphate

INGREDIENT INFORMATION

Hazardous Ingredients
Diazinon (CAS No. 333-41-5) 23.0%
Exposure Limits:

ACGIH-TLV/TWA 0.1 mg/M³ (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

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