

DEVIRINOL 10G SELECTIVE HERBICIDE

Version: 3

Date issued: 10/29/2002

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company: United Phosphorus, Inc.
423 Riverview Plaza
Trenton, NJ 08611
Phone number: (609) 392-8200
Name used on label: DEVIRINOL® 10G Selective Herbicide
Product use: Water-dispersible, granular herbicide

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300

DEVIRINOL is a Registered Trade Mark of Syngenta Crop Group and is marketed by United Phosphorus, Inc.

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Identity	CAS #	Typical %
NAPROPAMIDE [N,N-diethyl-2-(1-naphthalenyloxy)-propionamide]	15299-99-7	10 %
Other Ingredients:	---	90 %

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications.

SECTION 3 HAZARDS IDENTIFICATION

Physical hazards: None
Health hazards: Irritant (eye).
Read the entire MSDS for a more thorough evaluation of the hazards.

SECTION 4 FIRST AID MEASURES

GENERAL ADVICE:

If a known exposure occurs or is suspected, immediately start the recommended procedures below. Simultaneously contact a poison control center, a physician, or the nearest hospital. Inform the person contacted of the type and extent of exposure, describe the victim's symptoms, and follow the advice given.

IF IN EYES:

Immediately flush with plenty of water for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

IF ON SKIN:

Wash material off the skin with plenty of soap and water. If redness, itching or a burning sensation develops, get medical attention.

IF SWALLOWED:

If victim is alert and not convulsing, rinse mouth out and give 200-300 ml (1 cup) of water to dilute material. Immediately contact a poison control center or a physician. Vomiting should only be induced under the direction of a physician or a poison control center. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer water. Immediately transport victim to an emergency facility.

IF INHALED:

Remove victim to fresh air. If cough or other respiratory symptoms develop, consult medical personnel.

SECTION 5 FIRE FIGHTING MEASURES

Flash point: Not applicable.
Autoignition temperature: No data.
Flammable limits (STP): Not applicable.

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EXTINGUISHING MEDIA: Vapors may be irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema. Symptoms may be delayed several hours or longer depending on exposure. As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate nonessential personnel from the fire area. Use standard firefighting techniques in extinguishing fires involving this product. Use water spray, dry chemicals, foam or carbon dioxide. High pressure water hose may spread product from broken containers increasing contamination hazards. Contaminated buildings, areas and equipment must not be used until they are properly decontaminated.

FIRE AND EXPLOSION HAZARDS: This product is not considered flammable. However, under fire conditions, it may decompose to give off toxic materials.

PROTECTIVE EQUIPMENT: Self-contained breathing apparatus with full facepiece and protective clothing. Impervious protective clothing such as gloves, hoods, suits and rubber boots.

NFPA RATING Health 1 Fire 0 Reactivity 0

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Steps to be taken in case material is released or spilled:

Make sure all personnel involved in the spill cleanup follow good industrial hygiene practices. Any person entering an unknown concentration of dust should use a NIOSH-approved dust respirator. A small spill can be handled routinely. Use adequate ventilation and wear an air-supplied respirator to prevent inhalation.

METHODS FOR CLEANING UP:

Sweep up spilled material being careful not to create dust. Place sweepings in a chemical waste container for disposal. Generously cover the contaminated areas with common, household detergent (e.g. TIDE, registered trademark of Proctor & Gamble Co.). Using a stiff brush and small amounts of water, work the detergent into the remaining spilled material forming a slurry. Brush the slurry into cracks and crevices and allow to stand for 2-3 minutes. Be careful to completely avoid skin or eye contact. Do not splatter on oneself or bystanders. Seal drum and dispose of contaminated material in a facility permitted for hazardous waste. Large spills should be handled according to a spill plan. Otherwise, in case of emergency call Chemtrec, day or night, 1-800-424-9300.

SECTION 7 HANDLING AND STORAGE

REQUIREMENTS FOR STORAGE ROOMS:

Containers should be stored in a cool, dry, well-ventilated area away from flammable materials and sources of heat or flame. Exercise due caution to prevent damage to or leakage from the container.

ADDITIONAL INFORMATION:

Do not store near feed, food, or within the reach of children. Keep food and animal feed in separate area away from the storage/use location.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

TLV or suggested control value:

No ACGIH TLV or OSHA PEL assigned. Minimize exposure in accordance with good hygiene practice.

ENGINEERING CONTROLS:

This product is intended for use outdoors where engineering controls are not necessary. If use conditions are different (e.g. product reformulation or repackaging), employee exposure should be minimized using traditional techniques such as enclosed system design and/or local exhaust ventilation.

EYE PROTECTION:

Eye contact with the material should be avoided through the use of chemical safety glasses, goggles or a faceshield, selected in regard to exposure potential.

BODY PROTECTION:

Skin contact should be prevented through the use of impervious gloves, footwear, long-sleeved clothing, and wide brimmed hat. Remove contaminated clothing and wash before rewearing.

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RESPIRATORY PROTECTION:

If needed, use MSHA-NIOSH approved respirator for pesticides.

Other protective equipment:

Eyewash station and safety shower in work area.

Special precautions or other comments:

Prevent skin and eye contact with this material. Avoid inhalation of spray mist. Workers must follow good personal hygiene practices. Wash with soap and water immediately after use or contact. Do not eat, drink, or smoke in areas where the material is being used.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	tan granules
Odor:	Not available
Density:	44 – 49 lb./cu. ft. (typical)

SECTION 10 STABILITY AND REACTIVITY

HAZARDOUS REACTIONS (CONDITIONS TO AVOID)

Stability: Stable under normal conditions.

Incompatibility: The product is relatively non-reactive. Non-corrosive to materials commonly used in the construction of process equipment, storage and shipping containers.

Hazardous polymerization:

Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS

Combustion products: Toxic materials.

SECTION 11 TOXICOLOGICAL INFORMATION

General information: This description of toxicological properties is based on experimental results and experience with the material.

ACUTE TOXICITY (LETHAL DOSES)

Ingestion (Oral) LD₅₀ rat: > 5000 mg/kg. A single dose of this product is classified as "practically nontoxic" by ingestion. A single oral dose of 5000 mg/kg did not produce signs of toxicity in male or female rats.

Acute Dermal LD₅₀ rabbit: > 5000 mg/kg. This material is classified as "practically nontoxic" by dermal absorption.

ACUTE TOXICITY (IRRITATION, SENSITIZATION ETC.)

Skin Irritation, rabbit: This material was nonirritating in rabbit dermal irritation studies. No irritation is likely to develop following contact with human skin.

Inhalation: Since this product is a granular formulation, significant inhalation exposure is unlikely to occur.

Eye contact rabbit Results: Non-irritant

Other effects of overexposure: No other adverse clinical effects have been associated with exposure to this material.

SECTION 12 ECOLOGICAL INFORMATION

Toxic to fish.

SECTION 13 DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Discarded product is not a hazardous waste under RCRA, 40 CFR 261.

CONTAINER DISPOSAL:

Puncture or otherwise destroy empty container before disposal.

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SECTION 14 TRANSPORT INFORMATION

TRANSPORT/ADDITIONAL INFORMATION

Not Classified as Dangerous for Transport.

SECTION 15 REGULATORY INFORMATION

Other regulations, restrictions and prohibitions

TSCA (Toxic Substances Control Act) Regulations, 40CFR 710:

This product is a pesticide and is exempt from TSCA regulation.

CERCLA and SARA Regulations (40 CFR 355, 370, and 372):

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

SECTION 16 OTHER INFORMATION

ABBREVIATIONS

ACGIH = American Conference of Governmental Industrial Hygienists

OSHA = Occupational Safety and Health Administration

TLV = Threshold Limit Value

PEL = Permissible Exposure Limit

TWA = Time Weighted Average

STEL = Short-Term Exposure Limit

We assigned NFPA and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS. This information is intended solely for the use of individuals trained in the particular hazard rating system.

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