



# MATERIAL SAFETY DATA SHEET

## United Phosphorus, Inc.

<b>NFPA</b>	<b>PPE</b>

Issued Date 20-Apr-2007

Revision date 04-Mar-2015

Revision Number: 1

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>UPI</b> 630 Freedom Business Center Suite 402 King of Prussia, PA 19406	<b>Emergency telephone number</b> Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887 Medical: Rocky Mountain Poison Control Center (866) 673-6671 (24hrs)		
<u>Company Information</u>	<u>Contact Information</u>	<u>Phone number</u>	<u>Available Hrs</u>
UPI	Customer Service R&D Technical Service	1-800-438-6071 610-878-6100	8:00 am to 5:00 pm EST 8:00 am - 5:00 pm (EST)

<b>Product name</b>	Devrinol 10G Selective Herbicide
<b>EPA Reg #</b>	PMRA 25230
<b>Recommended use</b>	Herbicide
<b>Product code</b>	12U-115

### 2. Hazards Identification

#### EMERGENCY OVERVIEW

Mild eye irritation  
irritant  
May cause drowsiness and dizziness  
Very toxic in contact with skin  
Very toxic if swallowed

#### DANGER

**appearance** tan.

**Physical state** granular.

**Odor** Not Available.

#### Potential health effects

- Inhalation
- Skin Contact

**EYES**  
**skin**  
**Inhalation**  
**Ingestion**

Contact with eyes may cause irritation.  
Substance may cause slight skin irritation. Very toxic in contact with skin.  
May cause irritation of respiratory tract.  
Very toxic if swallowed.

### 3. Composition/information on Ingredients

#### Ingredients Name

Component	CAS-No	Weight %	OSHA PEL
Napropamide 15299-99-7 ( 10 )	15299-99-7	10	N/A

### 4. First aid measures

#### Eye contact

Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.  
Remove contact lenses, if present, after 5 minutes, then continue rinsing eye.  
Call a poison control center or doctor for treatment advice.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

#### Skin contact

Take off contaminated clothing  
Rinse skin immediately with plenty of water for 15-20 minutes.  
Call poison control center or doctor for treatment advice.  
Call a physician immediately  
Wash off immediately with plenty of water for at least 15 minutes  
Remove and wash contaminated clothing before re-use

#### Inhalation

If breathing is irregular or stopped, administer artificial respiration  
**MAY CAUSE ALLERGIC RESPIRATORY REACTION**  
Toxic by inhalation  
Call a poison control center or doctor for further treatment advice.

#### Ingestion

Call a physician or poison control center immediately  
May produce an allergic reaction  
Never give anything by mouth to an unconscious person  
Do not induce vomiting unless told to do so by a poison control center or doctor  
Call a physician immediately  
Do not induce vomiting without medical advice

#### Notes to physician

No information available

### 5. Fire-fighting measures

#### Flammable Explosive Properties

#### flash point

Not Available

#### Autoignition temperature

Not Available

#### Flammability Limits in Air

Not available

#### Extngushing Media

Water spray, Dry chemical Foam Carbon dioxide (CO<sub>2</sub>).

#### Fire/Explosion Hazard

Thermal decomposition can lead to release of irritating gases and vapours

#### Hazardous combustion products

No information available.

#### NFPA

HEALTH 4

flammability 0

Instability 0

### 6. Accidental release measures

<b>Personal Precautions</b>	Avoid contact with the skin and the eyes. Use personal protective equipment.
<b>Environmental precautions</b>	Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.
<b>Methods for Clean-Up</b>	Prevent product from entering drains. Sweep up and shovel into suitable containers for disposal.

## 7. Handling and Storage

<b>Handling</b>	Keep in a well-ventilated place. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Keep out of reach of children. Remove and wash contaminated clothing before re-use.
<b>Storage</b>	Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur. Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers. Keep containers tightly closed in a cool, well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure guidelines

<b>Engineering controls</b>	Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.
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### Personal protective equipment

#### Eye/Face Protection

Use eye protection to avoid eye contact. Eye contact should be avoided through the use of chemical safety glasses, goggles, or a faceshield selected in regard to exposure potential. Where there is potential for eye contact have eye flushing equipment available.

#### Skin protection

Impervious clothing. Impervious gloves.

#### Respiratory protection

Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

### General hygiene considerations

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

## 9. Physical and Chemical Properties

<b>appearance</b>	tan	<b>Odor</b>	Not Available
<b>Physical state</b>	granular	<b>pH</b>	No Data Available
<b>Boiling Point/Range</b>	Not Available	<b>Melting Point/Range</b>	Not Available
<b>Specific gravity</b>	0.67 (pour)	<b>solubility</b>	Not Available
<b>evaporation rate</b>	Not Available	<b>vapor pressure</b>	Not Available
<b>vapor density</b>	Not Available	<b>VOC Content</b>	Not Available

<b>viscosity</b>	Not Available	<b>molecular weight</b>	No Data Available
<b>Bulk density</b>	44-49 lb/cu. ft	<b>Percent Solids</b>	Not Available
<b>Percent Volatiles</b>	Not Available		

## 10. Stability and Reactivity

<b>stability</b>	Stable under recommended storage conditions
<b>Conditions to avoid</b>	No information available
<b>incompatible materials</b>	No materials to be especially mentioned
<b>Hazardous decomposition products</b>	Thermal decomposition can lead to release of irritating gases and vapours
<b>Possibility of Hazardous Polymerization</b>	Hazardous polymerisation does not occur

## 11. Toxicological Information

### Acute toxicity

<b>Component Information</b>	Devrinol 10 G
	Acute oral LD50: >5000 mg/kg (female rat)
	Acute dermal LD50: >5000 mg/kg (rats)
	Acute Inhalation LC50: >2.12 mg/L (rats, single exposure)
	Skin irritation: Slightly irritating
	Eye irritation: Mildly irritating, clearing within 72 hours
	Dermal sensitization: Not a sensitizer

### Chronic toxicity

<b>Carcinogenicity</b>	Devrinol 10 G There is no evidence of mutagenic or clastogenic potential. Studies in animals have shown that this product is not a developmental toxicant.
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## 12. Ecological Information

### ecotoxicity

Toxic to fish.

## 13. Disposal Considerations

<b>Waste Disposal Method</b>	Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
<b>Contaminated packaging</b>	Empty containers may contain hazardous residues. Containers should be handled as instructed by following all container disposal directions.

## 14. Transport Information

<b><u>DOT</u></b>	NOT REGULATED
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**12U-115**  
**Devrinol 10G Selective Herbicide**

**ICAO** NOT REGULATED  
**IATA** NOT REGULATED  
**IMDG/IMO** NOT REGULATED  
**TDG** NOT REGULATED

**15. Regulatory Information**

**International Inventories**

Chemical name	TSCA	DSL	NDSL	EINECS/ ELINCS	ENCS	China	KECL	AICS
Napropamide				X	Present	X	Present	X

**USA**

**Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**

Chronic health hazard	NO
Acute health hazard	yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**Clean Water Act**

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any HAPs.

**CERCLA**

**SARA Product RQ** 0

**RCRA**

**Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Napropamide 15299-99-7 ( 10 )			X	

**State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**State Right-to-Know**

**International regulations**

**Mexico - Grade** Severe risk, Grade 4

**CANADA**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

**WHMIS Hazard Class**  
Not Determined

The preparation is classified as dangerous in accordance with Directive 1999/45/EC

## 16. Other Information

**Revision date** 04-Mar-2015

**Revision Summary**  
Update section 14

**Miscellaneous**  
TDG regulations:  
Not regulated

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**End of MSDS**