



Material Safety Data Sheet

United Phosphorus, Inc.

NFPA	PPE	
		

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Revision Number: 2

1. PRODUCT AND COMPANY IDENTIFICATION

UPI
 630 Freedom Business Center
 Suite 402
 King of Prussia, PA 19406

Emergency Telephone Number
 Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
 Medical: Rocky Mountain Poison Control Center
 (866) 673-6671 (24hrs)

Company Information
 UPI

Contact Information
 Customer Service
 R&D Technical Service

Phone Number
 1-800-438-6071
 610-878-6100

Available Hrs
 8:00 am to 5:00 pm EST
 8:00 am - 5:00 pm (EST)

Product Name Devrinol 2G
EPA Reg # 70506-33
Recommended Use herbicide
Product Code 12U-116

2. HAZARDS IDENTIFICATION

Emergency Overview

Product dust may be irritating to eyes, skin and respiratory system
May be harmful if swallowed

CAUTION

Appearance Tan.

Physical State Granular.

Odor Not available

Potential Health Effects

- Inhalation
- Skin contact

Eyes

Moderately irritating to the eyes.

Skin

May cause mild skin irritation.

Inhalation

May cause irritation of respiratory tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Devrinol technical (Napropamide)	15299-99-7	2	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.

Skin Contact

Take off contaminated clothing.
Rinse skin immediately with plenty of water for 15-20 minutes.
If symptoms persist, call a physician

Inhalation

Move person to fresh air.
If person is not breathing, call 911 or an ambulance, then give artificial respiration.
Call a physician or Poison Control Centre immediately

Ingestion

Call a physician or Poison Control Center immediately
Have person sip a glass of water if able to swallow
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

Notes to Physician

No information available

5. FIRE-FIGHTING MEASURES

Flammable Explosive Properties

Flash Point
Autoignition Temperature

Not applicable
Not available

Flammability Limits in Air

Not applicable

Extnguishing Media

Water spray, Dry chemical Foam Carbon dioxide (CO2).

Fire/Explosion Hazard

Thermal decomposition can lead to release of irritating gases and vapours

Hazardous Combustion Products

Avoid breathing fumes from fire exposed material. .

NFPA

Health 2

Flammability 0

Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with the skin and the eyes. Ensure adequate ventilation. Use personal protective equipment.

Environmental Precautions

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..

Methods for Clean-up

Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling

Do not eat, drink or smoke when using this product. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. . Wear personal protective equipment.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from open flames, hot surfaces and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Controls	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. . PESTICIDE APPLICATORS & WORKERS. THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170..
Personal Protective Equipment	
Eye/face Protection	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	Chemical resistant gloves. waterproof gloves. Long sleeved clothing. Long pants. Socks and footwear.
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. Avoid contact with skin, eyes and clothing. Wash hands and face before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Tan	Odor	Not available
Physical State	Granular	pH	No data available
Boiling Point/Range	Not available	Melting Point/Range	Not available
Specific Gravity	0.159 g/ml (pour)	Solubility	Not available
Evaporation Rate	Not available	Vapor Pressure	Not available
Vapor Density	Not available	VOC Content	Not available
Viscosity	Not available	Molecular Weight	No data available
Bulk Density	No data available	Percent Solids	Not available
Percent Volatiles	Not available		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Conditions to Avoid	Keep away from children.
Incompatible Materials	No materials to be especially mentioned
Hazardous Decomposition Products	Thermal decomposition can lead to release of irritating gases and vapours.

Possibility of Hazardous Polymerization

Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Devrinol 2G
Acute Oral LD50: >5,000 mg/kg (rat)
Acute Dermal LD50: >2,000 mg/kg (rabbit)
Eye Irritation: Mildly irritating (rabbit)
Skin Irritation: Non irritating (rabbit) Practically non toxic by dermal application.
Acute Inhalation: LC50 (rat) >5 mg/L - 4hr

Chronic Toxicity

There are no known carcinogenic chemicals in this product

Carcinogenicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to fish and wildlife..

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

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. .

Contaminated Packaging

Non refillable container. Do not reuse this container. . Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. .

14. TRANSPORT INFORMATION

DOT

Not regulated

ICAO

Not regulated

IATA

Not regulated

14. TRANSPORT INFORMATION

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Devrinol technical (Napropamide)

EINECS/ELINCS	Listed
ENCS	Listed
CHINA	Listed
KECL	Listed

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 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

RCRA

Pesticide Information

State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

International Regulations

Mexico - Grade Not available

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

16. OTHER INFORMATION

Revision Date 23-Dec-2010

Revision Summary

Update section 2 Update section 8 Update section 13

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End of MSDS