



United Phosphorus, Inc.

NFPA	PPE		

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Revision Number: 1

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)

<u>Company Information</u>	<u>Contact Information</u>	<u>Phone Number</u>	<u>Available Hrs</u>
UPI	Customer Service	1-800-438-6071	8:00 am to 5:00 pm EST

Product Name	Meteor
EPA Reg #	70506-243
Recommended Use	fungicide
Product Code	12U-EUR1

2. HAZARDS IDENTIFICATION

Emergency Overview		
Harmful by inhalation, in contact with skin and if swallowed Combustible material		
WARNING!		
Appearance White.	Physical State Liquid. Suspension.	Odor Characteristic.

Potential Health Effects

Eyes	Causes redness, irritation, tearing.
Skin	May be absorbed through the skin in harmful amounts.
Inhalation	Harmful by inhalation. May cause irritation of respiratory tract.
Ingestion	Harmful if swallowed. May cause nausea, vomiting, abdominal pain, loss of coordination.

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 Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling Keep out of reach of children. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Keep away from open flames, hot surfaces and sources of ignition. Wear personal protective equipment. Wash thoroughly after handling.

Storage Keep out of the reach of children. Keep in a dry, cool and well-ventilated place. Store in an area where cross-contamination with pesticides, fertilizers, food or feed could not occur.

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.

Personal Protective Equipment

Eye/face Protection

Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact.

Skin Protection

Wear protective gloves/clothing.

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. Wear suitable gloves and eye/face protection. 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	White	Odor	Characteristic
Physical State	Liquid Suspension	pH	(@20C) 5.22
Boiling Point/Range	100 °C	Melting Point/Range	Not available

Specific Gravity	1.1711 @ 20 C	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	Heat, flames and sparks
Incompatible Materials	Strong acids, Strong bases, Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide, Hydrogen chloride, Nitrogen oxides (NOx)
Possibility of Hazardous Polymerization	None under normal processing

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

Iprodione 41% :
Acute oral rat = 2958 mg/kg
Acute dermal rat/rabbit = >2,000 mg/kg
Acute inhalation rat = >2.111 mg/L
Primary eye irritation = Not an irritant
Primary dermal irritation = Not n irritant
Dermal sensitization = Not a sensitizer

Chronic Toxicity

Carcinogenicity

Iprodione (technical grade) = Produced benign testicular tumors in rats and benign liver and ovary tumors in mice when tested at a maximum tolerated dose.

Iprodione is not considered to be a neurotoxicant and was not mutagenic or genotoxic based published information available.

Iprodione did not cause reproductive toxicity in multigeneration studies in rats.

Information indicates that iprodione is not a primary developmental toxicant.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not clean equipment or dispose of equipment washwaters in a manner that will contaminate water resources or arable land. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning equipment or disposal of waste.

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 Refer to product label.

14. TRANSPORT INFORMATION

DOT Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS/ELI ENCS NCS	CHINA	KECL	AICS
Propylene Glycol	Present	X		X	(2)-234	X	KE-29267 X
Iprodione				X		X	KE-10192 X

USA

Federal Regulations

SARA 313
Y

SARA 311/312 Hazardous Categorization

Chronic Health Hazard	Yes
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 contains the following HAPs:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Propylene Glycol
57-55-6	<20		Group I			

CERCLA

RCRA

Pesticide Information

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Propylene Glycol 57-55-6 (<20)		List 4B - Inert Ingredients	X	
Iprodione (41.6)			X	

State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

Chemical Name	CAS-No	Category	California Prop. 65
	Carcinogen	Carcinogen	

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Propylene Glycol		X	X		X

International Regulations

Mexico - Grade Mexico - Grade

Component	Category	Carcinogen Status	Exposure Limits
Iprodione (41.6)	Carcinogen		

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 06-Jan-2012

Revision Summary

Add to system

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End of MSDS