EPA Reg. No. 60063-51

MATERIAL SAFETY DATA SHEET

Sipcam Agro USA, Inc.
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Durham, NC 27713

In Case of Emergency, Call
Sipcam Agro USA, Inc.: 919-226-1195
CHEMTREC: 800-424-9300

GENERAL INFORMATION

1-Slight Health Hazard 1-Slight Flammability 0-Nonreactive

Above: Ratings based on NIOSH "Identification System for Occupationally Hazardous Materials" (1974).

TRANSPORTATION INFORMATION

This product is regulated for transportation purposes as follows:

MODE	*BULK (> 119 GALLONS)*	*NON-BULK (< 119 GALLONS)*
IMO (Water):	Yes	No
DOT (Land):	Yes	No

Proper Shipping Name: UN3082, Enviromentally Harzardous Material, Lquid, NOS, (Iprodione), 9, III, Marine Pollutant.
Special Provisions: Marine pollutant
Freight class: DOT shipping class 55, NMFC 155050-06

PRODUCT IDENTIFICATION

Product Names: PrimeraOne Platinum Iprodione ETQ
Synonyms (active ingredient): 3-(3,5 -dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolinecarboxamide, iprodione

HAZARDOUS INGREDIENTS

The substances listed below are those identified as hazardous chemicals under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Component	CAS No.
3-(3,5 -dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolinecarboxamide	36734-19-7
Propylene Glycol	57-55-6

Exposure Limits for PrimeraOne Platinum Iprodione ETQ:

ACGIH-TLV: Not Listed

OSHA-PEL: Not Listed

PHYSICAL DATA

Boiling Point (760 mm Hg):	100°C (water)
Freezing Point:	Not Determined
Specific Gravity (H20=1):	1.34
Vapor Pressure:	Not Determined
Vapor Density (Air = 1):	Not Determined
Solubility in H20, % by Wt.:	Dispersible
% Volatiles by Vol.:	Not Determined
Evaporation Rate (Butyl Acetate = 1):	Not Determined
Appearance and Odor:	Liquid, off-white, mild odor
Density at 20°C:	9.14 #/gal
pH:	5.94 (@ 25°C)

FIRE AND EXPLOSION DATA

Flash Point: Nonflammable

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Autoignition Temperature:	Not Applicable
Flammable Limits in Air, % by Volume:	Noncombustible Lower: Not Applicable Upper: Not Applicable
Extinguishing Media:	For large fires, use foam and water spray. For small fires, use carbon dioxide or dry chemical.
Special Fire Fighting Procedures:	Firefighters should wear a NIOSH/MSHA approved self-contained breathing apparatus and full fire-fighting turn out gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later.
Unusual Fire and Explosion Hazards:	If water is used to fight fire, contain runoff, using dikes to prevent contamination of water supplies. Dispose of fire control water later.
Hazardous Decomposition Materials (Under Fire Conditions):	May produce oxides of carbon and nitrogen.

HEALTH HAZARD INFORMATION

Oral LD50 (rat):	3,125 mg/kg
Dermal LD50 (rabbit):	>5,000 mg/kg
Inhalation (4-hour) LC50 (rat):	>2.09 mg/liter
Primary Dermal Irritation Index (rabbit):	Slight
Primary Eye Irritation (rabbit)	Slight
Dermal Sensitization:	Non-sensitizer

Emergency and First Aid Procedures

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have affected person sip a glass of water if able to swallow. Do not induce vomiting unless told by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Subchronic Effects: Repeated overexposure to iprodione may cause effects in the liver, adrenal, ovary and/or testes. Overexposure to propylene glycol has been associated with kidney toxicity, liver toxicity (animals) and lactic acidosis. Very high dose acute exposure may result in CNS and cardiac effects.

Carcinogencity/Chronic Health Effects: Prolonged overexposure to iprodione can cause effects to liver, kidneys, and reproductive system. Iprodione produced benign testicular tumors in rats and benign liver and ovary tumors in mice when tested at a maximum tolerated dose. Overexposure to propylene glycol has been associated with kidney toxicity, liver toxicity (animals) and lactic acidosis.

Reproductive Toxicity: Iprodione did not cause reproductive toxicity in multi-generation studies in rats. In the mouse, propylene glycol was not a reproductive toxicant.

Developmental Toxicity: Iprodione was not a primary developmental toxicant as only minor delays or variations in fetal development were observed at doses that caused maternal toxicity. In a series of animal studies, propylene glycol was not a developmental toxican.

Genotoxicity: For iprodione, there is no evidence of effects during in-vitro or in-vivo studies. Propylene glycol was consistently nonmutagenic.

Carcinogenicity Assessment: None listed with ACGIH, IARC, NTP or OSHA.

REACTIVITY DATA

Conditions Contributing to Instability: Under normal use conditions, this product is stable.

Incompatibility: Not known.

Hazardous Decomposition Products: May decompose under fire conditions emitting gases and vapors (i.e. hydrogen chloride) which may be toxic and irritating to the respiratory tract.

Conditions Contributing To Hazardous Polymerization: Material not known to polymerize.

SPILL OR LEAK PROCEDURES/PERSONAL PROTECTION

Steps To Be Taken If Material Is Released Or Spilled:
Personal Protective Equipment:

Eye/Face Protection: Not normally required. To avoid contact with eyes, wear chemical goggles or shielded safety glasses.

Skin Protection:
Mixers, loaders, others exposed to the concentrate and applicators applying as a dip treatment must wear: Long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton, chemical-resistant apron, chemical-resistant footwear plus socks.
Applicators using hand held equipment must wear: Coveralls over long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or viton, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure.
Applicators using aircraft or mechanical ground equipment and flaggers for aerial application must wear: Long-sleeved shirt and long pants, shoes plus socks.
Applicators using truck mounted equipment with a handgun at the end of a hose (i.e., for commercial turfgrass or ornamental applications) and all other handlers not specified above must wear: Long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber or, viton, shoes plus socks.

Respiratory Protection: Not normally required, except for applicators using handheld equipment who must wear a dust-mist filtering respirator (NIOSH approved respirator with any R, P or HE filter). In other situations if vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Methods of Containment: Dike spill using absorbent or impervious materials such as earth, sand or clay. Collect and contain contaminated absorbent and dike material for disposal.

Methods for Cleanup and Disposal: Pump any free liquid into an appropriate closed container. Collect washings for disposal. Decontaminate tools and equipment following cleanup.

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Waste Disposal Method:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling and Disposal:

Non refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA Inventory: This product is exempted from TSCA because it is solely of FIFRA regulated use.

SARA Hazard Notification/Reporting:

Hazard Categories Under Criteria of SARA Title III Rules (40 CRF Part 370): Delayed
Section 313 Toxic Chemical(s): None

Reportable Quantity (RQ) under U.S. CERCLA:

None

RCRA Waste Code:

None

State Information:

Other state regulations may apply. Check individual state requirements.

California Proposition 65:

This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

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