

**1. IDENTIFICATION**

Product name: **Quali-Pro Iprodione 240 SE (PCP Registration No. 29410)**  
 Chemical name of active ingredient(s): Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2-4-dioxo-1-imidazolidinecarboxamide)  
 Manufacturer/Registrant: Makhteshim Agan of North America, Inc.  
 4515 Falls of Neuse Road, Suite 300  
 Raleigh, NC 27609  
 Phone: 919-256-9303  
 Phone: 800-535-5053  
 For fire, spill, and/or leak emergencies, contact Infotrac: Phone: 877-250-9291  
 For medical emergencies and health and safety inquiries, contact Prosar:

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS #	%	OSHA/PEL	ACGIH/TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Iprodione	36734-19-7	24.2	NA	NA	NA	NA
NA=not applicable						

**3. HAZARDS IDENTIFICATION****PHYSICAL PROPERTIES****Appearance:** Opaque liquid**Odor:** Slight

**EMERGENCY OVERVIEW:** Caution. Eye and skin irritant. Potential skin sensitizer. Keep out of reach of children. May irritate eyes and skin. Avoid contact with eyes and skin. Wear protective gloves and coveralls when handling. Wash hands and exposed skin thoroughly after handling the concentrate and after application. May be harmful if inhaled. Avoid working in spray mist.

**ROUTES OF ENTRY:** Inhalation, skin, eyes and ingestion.

**SYMPTOMS OF OVER EXPOSURE:** Nausea, vomiting, abdominal cramps, and loss of coordination.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of nitrogen and carbon.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Inhalation may aggravate existing tendency to respiratory or bronchial infections and existing skin sensitivities.

**4. FIRST AID****FIRST AID:**

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. 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 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre 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 centre 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 by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**TOXICOLOGICAL INFORMATION:** Treat symptomatically. This product contains a petroleum distillate. Vomiting may cause aspiration pneumonia.

## 5. FIRE FIGHTING MEASURES

**FLASHPOINT:** Not applicable.

**FLAMMABLE LIMITS (% in air):** Not Applicable.

**AUTOIGNITION TEMPERATURE:** Not Applicable.

**FIRE FIGHTING PROCEDURES:** Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off.

**UNUSUAL FIRE, EXPOSURE AND REACTIVITY HAZARDS:** Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.

**SUITABLE EXTINGUISHING MEDIA:** Water spray, regular foam, dry chemical, CO<sub>2</sub>.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of nitrogen and carbon.

## 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO TAKE FOR SPILLS/LEAKS:** Clean up spills immediately. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. **Small Spill:** Absorb small spills with sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal. **Large Spill:** Dike large spills using absorbent or impervious material such as clay or sand. Recover and contain as much free liquid as possible for reuse. Allow absorbed material to solidify, and scrape up for disposal. Pick up wash liquid with additional absorbent and place in a disposable container. After removal, flush contaminated area thoroughly with water. This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water.

## 7. HANDLING AND STORAGE

Do not store near feed and foodstuffs. Thoroughly clean application equipment after use. Do not contaminate domestic or irrigation waters.

**PRECAUTIONS TO BE TAKEN IN STORAGE:** Protect from frost. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed.

**PRECAUTIONS TO BE TAKEN IN HANDLING:** Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

**STORAGE TEMPERATURE (MIN/MAX):** Normal ambient temperatures.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.**

**FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.**

**EYE PROTECTION:** For splash, mist or spray exposure, wear protective eyewear.

**SKIN PROTECTION:** Long-sleeved shirt, long pants, chemical-resistant footwear plus socks, and chemical-resistant headgear for overhead exposures.

**HAND PROTECTION:** Chemical-resistant gloves such as barrier laminate, nitrile rubber ( $\geq 14$  mils), neoprene rubber ( $\geq 14$  mils), or Viton ( $\geq 14$  mils).

**RESPIRATOR REQUIREMENTS:** A dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH-approved respirator with any R, P, or HE filter.

**ENGINEERING CONTROLS:** Local exhaust is adequate when used as recommended.

**ADDITIONAL PROTECTIVE MEASURES:** Follow manufacturer's instructions for cleaning/maintaining personal protective equipment. If no such instructions for washables, use detergent and hot water. Keep and wash PPE

separately from other laundry. Discard clothing or other materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**USER SAFETY RECOMMENDATIONS:**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**EXPOSURE GUIDELINES:** Refer to Section 2.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Opaque liquid

**ODOR:** Slight

**pH:** 4.61

**DENSITY:** 1.002 g/mL

**FLAMMABILITY(°C):** Not applicable

**VISCOSITY (CENTISTOKES):** 358.783 @ 20° C; 154.071 @ 40° C

**10. STABILITY AND REACTIVITY**

**GENERAL:** Stable under normal use and storage conditions.

**INCOMPATIBLE MATERIALS:** Incompatible with 10% Potassium permanganate.

**HAZARDOUS DECOMPOSITION:** Oxides of nitrogen and carbon.

**HAZARDOUS POLYMERIZATION:** Material is not known to polymerize.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY/IRRITATION STUDIES:**

- |                                    |                       |
|------------------------------------|-----------------------|
| Acute Oral LD50 (Rat):             | > 5,000 mg/kg         |
| Acute Dermal LD50 (Rat):           | > 5,000 mg/kg         |
| Acute Inhalation LC50 (Rat):       | > 2.04 mg/L           |
| Eye Irritation (Rabbit):           | Moderately irritating |
| Dermal Irritation (Rabbit):        | Moderately irritating |
| Dermal Sensitization (Guinea Pig): | Mild skin sensitizer  |

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL HAZARDS:** This chemical can contaminate surface water through aerial and ground spray applications. Under some conditions, it may also have a high potential for runoff into surface water after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas within in-field canals or ditches that drain to the surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

This pesticide is toxic to invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

**13. DISPOSAL CONSIDERATIONS**

**END USERS MUST DISPOSE OF ANY PRODUCT AS PER THE LABEL RECOMMENDATIONS.**

**PRODUCT DISPOSAL:** For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**CONTAINER DISPOSAL:** Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements.

**14. TRANSPORT INFORMATION**

**DOT CLASSIFICATION:**

Not Regulated.

**INTERNATIONAL TRANSPORTATION:**

**IMO (vessel):** Not regulated

**IATA (air):** Not regulated

**15. REGULATORY INFORMATION**

**CANADIAN REGULATIONS:**

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

Canadian Domestic Substance List:

Propylene Glycol CAS No. 57-55-6

**SARA TITLE III CLASSIFICATION:**

**Section 302/304:** Not applicable

**Section 311/312:** Immediate (Acute) Health Hazard

**Section 313 chemical(s):** Not applicable

**CA PROPOSITION 65:** This product contains a chemical (iprodione) known to the State of California to cause cancer.

**CERCLA REPORTABLE QUANTITY (RQ):** Not applicable.

**RCRA CLASSIFICATION:** Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

**TSCA STATUS:** The ingredients of this product are listed on the TSCA inventory or are exempt.

**16. OTHER INFORMATION**

<b>HAZARD RATINGS:</b>	<b>NFPA</b>	<b>HMIS</b>	
<b>HEALTH:</b>	0	0	0 LEAST
<b>FLAMMABILITY:</b>	1	1	1 SLIGHT
<b>REACTIVITY:</b>	0	0	2 MODERATE
			3 HIGH
			4 SEVERE

**MSDS DATE:** 2-2-10

The information contained herein is given in good faith and is believed to be correct, but no warrant, express or implied, is made. Consult Makhteshim Agan of North America, Inc. for further information.