

1. IDENTIFICATION

Product name: **PrimeraOne Iprodione 2SE**
 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: 919-256-9300
 For fire, spill, and/or leak emergencies, contact Infotrac: Phone: 1-800-535-5053
 For medical emergencies and health and safety inquiries, contact Prosar: Phone: 1-877-250-9291

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	%	OSHA/PEL	ACGIH/TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Iprodione	36734-19-7	23.8	NA	NA	NA	NA
NA=not applicable						

3. HAZARDS IDENTIFICATION

PHYSICAL PROPERTIES:

Appearance: Opaque liquid
Odor: Slight

EMERGENCY OVERVIEW: CAUTION. Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing 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

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IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes • Call a poison control center or doctor for further treatment advice
IF INHALED:	<ul style="list-style-type: none"> • 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 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. You may also contact PROSAR 1-877-250-9291 for emergency medical treatment information.	
NOTE TO PHYSICIAN: This product may pose an aspiration pneumonia hazard. Contains petroleum distillates.	

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, CO₂.

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 contaminate water, food or feed by storage or disposal.

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.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store in original container in a well-ventilated, dry place. Do not reuse this container.

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 (≥ 14 mils), neoprene rubber (≥ 14 mils), or Viton (≥ 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 (Rabbit): > 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): Tests in guinea pigs suggest Iprodione 2SE is a mild 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: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION: Not Regulated.

INTERNATIONAL TRANSPORTATION:

IMO (vessel): Not regulated

IATA (air): Not regulated

15. REGULATORY INFORMATION

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

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

MSDS DATE: 3-11-10.

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.