

**1. IDENTIFICATION**

Product name: **PrimeraOne® Propiconazole 14.3**  
 Chemical name of active ingredient(s): Propiconazole: 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]Methyl]-1H-1,2,4-triazole  
 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 Infotract: 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**

COMMON NAME	CAS NO.	%	OSHA PEL	ACIGH TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Propiconazole NA=Not applicable	60207-90-1	14.3	NA	NA	NA	NA

**3. HAZARDS IDENTIFICATION**

**PHYSICAL PROPERTIES:**

Appearance: Clear amber liquid.  
 Odor: Slight solvent odor.

**EMERGENCY OVERVIEW:** Warning. Causes substantial, but temporary eye injury. Do not get in eyes or on clothing. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with skin or clothing. Avoid breathing vapor or spray mist.

**PHYSICAL OR CHEMICAL HAZARDS:** Do not use or store near heat or open flame.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce toxic carbon and nitrogen oxides, and hydrogen chloride.

**PRIMARY ROUTES OF EXPOSURE:** Eye, skin, ingestion and inhalation.

**4. FIRST AID**

FIRST AID	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Immediately call a poison control center or doctor.</li> <li>Do not give any liquid to the person.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies involving this product call Prosar at 1-877-250-9291. <b>NOTE TO PHYSICIAN:</b> There is no specific antidote for this product. Induce emesis or lavage stomach, taking care to avoid aspiration of stomach contents into lungs.	

## 5. FIRE FIGHTING MEASURES

**FLASH POINT:** 165°F (92°C) (TCC)

**FLAMMABLE LIMITS (LFL-UFL):** Not available.

**EXTINGUISHING MEDIA:** Foam, dry chemical, carbon dioxide, or water spray.

**SPECIAL FIRE-FIGHTING PROCEDURES:** Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Foam and/or dry chemical are preferred to minimize environmental contamination. If water is used, dike and collect water to prevent run off. Wear self-contained breathing apparatus and full fire-fighting turn-out gear (Bunker gear).

**HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:** Thermal decomposition may produce toxic carbon and nitrogen oxides, and hydrogen chloride.

## 6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

**SMALL SPILL:** Absorb small spills or 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

**PRECAUTIONS TO BE TAKEN IN HANDLING:** Handle and open container in a manner as to prevent spillage. Do not get on skin or in eyes. Do not eat, drink or smoke during work; wash hands and face thoroughly before doing so. Immediately wash off accidental splashes of the concentrate or spray mixture from skin, clothing and out of eyes.

**PRECAUTIONS TO BE TAKEN IN STORAGE:** To prevent contamination, store this product away from food or feed.

**STORAGE TEMPERATURE (MIN/MAX):** Do not store above 150°F(66°C) or below 20°F.

## 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:** Protective goggles or full-face shield.

**SKIN PROTECTION:** Long-sleeved shirt, long pants, shoes plus socks. Chemical-resistant footwear and overalls.

**HAND PROTECTION:** Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC), or Viton.

**ADDITIONAL PROTECTIVE MEASURES:** Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

### USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

- Remove clothing immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

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

**ENGINEERING CONTROLS:** Refer to product label.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear amber liquid.

**ODOR:** Slight solvent odor.

**FLASH POINT:** 165°F (92°C)

**pH:** 5.6-6.0

**DENSITY:** 1.082

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.

**CONDITIONS TO AVOID:** Avoid temperatures above 150°F and below 20°F. Avoid contact with oxidizing alkaline and acidic conditions and materials.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce toxic carbon and nitrogen oxides, and hydrogen chloride.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY:

Oral LD <sub>50</sub> (rat)	-	> 3,000 mg/Kg
Dermal LD <sub>50</sub> (rat)	-	> 2,000 mg/Kg
Inhalation LC <sub>50</sub> (rat)	-	> 2.0 Mg/L/4 hour
Eye Irritation (rabbit)	-	Moderately
Skin Irritation (rabbit)	-	Slight
Sensitization (guinea pig)	-	Non-sensitizer

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. 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 contaminate water when disposing of equipment washwater.

## 13. DISPOSAL CONSIDERATIONS:

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

**PRODUCT DISPOSAL:** Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used 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 in proper disposal methods.

**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:

MATERIAL SAFETY DATA SHEET

**PrimeraOne® Propiconazole 14.3**

Page 4 of 4

**SARA TITLE III CLASSIFICATION:**

Section 302: Not applicable.  
Section 311/312: Acute health hazard (immediate)  
Delayed health hazard (chronic)  
Section 313: Propiconazole CAS #: 60207-90-1 (14.3%)

**CA PROPOSITION 65:** Not applicable.

**CERCLA 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>HEALTH:</b>	2	0 MINIMAL
<b>FLAMMABILITY:</b>	1	1 SLIGHT
<b>REACTIVITY:</b>	0	2 MODERATE
		3 HIGH
		4 SEVERE

**MSDS Date:** 8-24-09. Supersedes version dated 10-31-07. Changes made to Sections 1, 4, 13 and 14.

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.