



## MATERIAL SAFETY DATA SHEET

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**COMPANY ADDRESS:**

Lawn and Garden Products, Inc.  
 P.O. Box 35000  
 Fresno, CA 93745  
 Phone – (559) 499-2100

**EMERGENCY TELEPHONE NUMBERS:**

(800) 424-9300 (CHEMTREC, transportation and spills)

PRODUCT NAME : **MONTEREY LAWN FUNGICIDE**  
 CHEMICAL NAME : Myclobutanil  
                                   a-butyl-a-(4-chlorophenyl)-1H-1,2,4, triazole-1-propanenitrile  
 CHEMICAL FAMILY : Triazole fungicide  
 PRODUCT CODE : EPA Reg. No 42750-196-54705

### SECTION 2 - COMPOSITION, INFORMATION OF INGREDIENTS

COMPONENT	PERCENTAGE	CAS NUMBER	OSHA PEL	ACIGH TWA
Myclobutanil	2.0%	88671-89-0	Not Established	Not Established

### SECTION 3 - HAZARDS IDENTIFICATION SUMMARY

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

**HEALTH HAZARDS:** Moderate eye irritant.

**PHYSICAL HAZARDS:** May release toxic fumes if burned.

**ENVIRONMENTAL HAZARDS:** Myclobutanil is toxic to aquatic organisms.

### SECTION 4 - FIRST AID MEASURES

**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 center or doctor for treatment advice.

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

### SECTION 5 - FIRE FIGHTING MEASURES

**FLASHPOINT (method):** N/A

**FLAMMABLE LIMITS (LFL-UFL):** Unknown

**FIRE AND EXPLOSION HAZARD:** Can burn in fire, releasing irritating and toxic gases due to thermal decomposition.

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

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

**FIRE FIGHTING EQUIPMENT:** Self-contained breathing apparatus with full facepiece.

**HAZARDOUS COMBUSTION PRODUCTS:** Hydrogen chloride, hydrogen cyanide, Oxides of nitrogen, carbon monoxide.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

Clean up spills immediately. Keep unnecessary and unprotected personnel from entering. Wear appropriate personal

protection equipment. (See Section 8 Exposure Controls, Personal Protection.)

**SMALL SPILL:** Absorb small spills on 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.

This material should be prevented from entering sewage and drainage systems and bodies of water. After removal, flush contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container.

## **SECTION 7 - HANDLING AND STORAGE**

KEEP OUT OF REACH OF CHILDREN!

**HANDLING:** Use only in a well-ventilated area. Wear appropriate safety equipment when handling.

**STORAGE:** Store in original container. Keep away from food, feed and drinking water. Store in a well ventilated, dry place away from heat. Minimum and maximum storage temperatures are 34 F to 120 F.

## **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**EXPOSURE LIMITS (8 hour TWA, ppm):** Refer to Section 3.

**ENGINEERING CONTROLS:** Proper ventilation is required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Local mechanical exhaust ventilation may be required. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**PERSONAL PROTECTIVE EQUIPMENT:**

EYE PROTECTION - Safety glasses or goggles.

CLOTHING - Long-sleeved shirt and long pants, Shoes plus socks.

GLOVES – Waterproof gloves.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.

**USER SAFETY RECOMMENDATIONS:** 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.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL DESCRIPTION:** Clear light yellow liquid.

**ODOR:** No appreciable odor.

**SPECIFIC GRAVITY:** 1.00 g/ml (8.35 lb/gal)

**pH:** 5.5 – 6.5

**WATER SOLUBILITY:** 100% soluble.

## **SECTION 10 - STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable under normal storage conditions. However may decompose if heated.

**CONDITIONS TO AVOID:** Avoid temperatures below 34 F and above 120 F

**INCOMPATIBILITY WITH OTHER MATERIALS:** Acidic and oxidizing materials

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride, Oxides of nitrogen

**HAZARDOUS POLYMERIZATION:** Product will not undergo polymerization.

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY:**

Oral LD<sub>50</sub> (rat) - > 5,000 mg/Kg

Dermal LD<sub>50</sub> (rat) - > 5,000 mg/Kg

Inhalation LC <sub>50</sub> (rat)	-	> 2.0 mg/L
Eye Irritation (rabbit)	-	Moderate eye irritant
Skin Irritation (rabbit)	-	Slight
Sensitization (guinea pig)	-	Non-sensitizer

**CARCINOGEN STATUS:**

OSHA - No  
 NTP - No  
 IARC - No

**SECTION 12 - ECOLOGICAL INFORMATION**

**ENVIRONMENTAL SUMMARY:** Do not apply directly to water or 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 washwaters.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

**PRODUCT DISPOSAL:** Never place unused product down any indoor or outdoor drain. Do not contaminate water, food or feed by storage or disposal.

**CONTAINER DISPOSAL:** If empty: Do not reuse or refill this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

**SECTION 14 - TRANSPORT INFORMATION**

<b>DOT SHIPPING DESCRIPTION:</b>	N/A (Not regulated by DOT)
<b>DOT HAZARD CLASS:</b>	N/A
<b>UN NUMBER:</b>	N/A
<b>DOT PACKING GROUP:</b>	N/A
<b>DOT PRIMARY/SECONDARY LABEL:</b>	N/A
<b>DOT PRIMARY/SECONDARY PLACARD:</b>	N/A
<b>DOT EMERGENCY RESPONSE GUIDE #:</b>	N/A
<b>FREIGHT CLASSIFICATION:</b>	Fungicide, N.O.I.; other than poison

**SECTION 15 - REGULATORY INFORMATION**

<b>CERCLA REPORTABLE QUANTITY:</b>	None
<b>SARA TITLE III STATUS:</b>	
311/312 Hazard Categories –	Immediate, Delayed
313 Toxic Chemicals –	Myclobutanil (88671-89-0)

**CA PROPOSITION 65:** This product contains myclobutanil, a chemical known to the State of California to cause cancer or birth defects or other reproductive harm.

**SECTION 16 - OTHER INFORMATION**

**DISCLAIMER:** The information presented herein is based on available data from reliable sources and is correct to the best of Lawn and Garden Products, Inc.'s knowledge. Lawn and Garden Products, Inc. makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions.

**REVISED DATE:** April 19, 2010 (Albaugh-November, 2008)  
**REFERENCE:** Initial version.