

# MATERIAL SAFETY DATA SHEET

MONTEREY M-20  
(Fungicide/Algaecide/Disinfectant)

Page 1 of 4

Issue Date: 01/04

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Chemical Product

MONTEREY M-20 (Fungicide/Algaecide/Disinfectant)

EPA Reg. No. 53642-1-54705

Common Name: Liquid fungicide, algaecide, and disinfectant.

Chemical Description: Mixture of quaternary ammonium compounds.

TSCA/CAS No.: The product is a mixture – there is no specific CAS number.

### Manufactured For

Lawn and Garden Products, Inc.

P. O. Box 35000

Fresno, CA 93745-5000

### Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 435-2163

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

## SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
n-Alkyl (60%C <sub>14</sub> , 5%C <sub>12</sub> , 5%C <sub>18</sub> ) dimethyl benzyl ammonium chloride	68391-01-5	10.0	N.A.*	N.P.*
n-Alkyl (68%C <sub>12</sub> , 32%C <sub>14</sub> , dimethyl ethylbenzyl ammonium chloride	68956-79-6	10.0	N.A.	N.P.
Ethyl alcohol	64-17-5	2.5	N.A.	N.P.

\*N.A. - Not Available.

\*N.P. - Not Pertinent.

## SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Light amber liquid with benzaldehyde odor. Corrosive. May be fatal if swallowed or absorbed through skin. Causes severe eye and skin damage. Not D.O.T. regulated.

HEALTH: 3      REACTIVITY: 0      FLAMMABILITY: 0      ENVIRONMENT: 2  
(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

## SECTION 4. FIRST AID

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.

Skin: Flush skin with plenty of soap and water or at least 15 minutes. Get medical attention if irritation persists.

Ingestion: 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**SECTION 4. FIRST AID (Continued)**

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention.

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

**SECTION 5. FIRE AND EXPLOSION HAZARDS**

Flash Point:	200°F
Test Method:	Pensky-Martens Closed Cup.
LEL Flammable Limits:	4%
UEL Flammable Limits:	19%
Autoignition Temperature:	Not pertinent.
Flammability Classification:	Noncombustible.
Known Hazardous Products of Combustion:	Not known.
Properties that Initiate/Contribute to Intensity of Fire:	None.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	None known.
Potential For Release of Flammable Vapors:	None known.
Unusual Fire & Explosion Hazards:	Unknown.
Extinguishing Media:	Water fog, carbon dioxide, dry chemical or foam.
Special Firefighting Procedures:	Stay upwind of smoke. Wear positive pressure, self-contained breathing apparatus and goggles. Contain any liquid runoff.

**SECTION 6. SPILLS AND LEAKS**

Containment: Prevent product spillage from entering drinking water supplies or streams.

Clean Up: Collect liquid or absorb onto absorbent material and package for disposal according to local, state and federal regulations.

Evacuation: Not necessary, but restrict entry.

**SECTION 7. STORAGE AND HANDLING**

Storage: Store in original container. Place in locked storage inaccessible to children, pets and others unfamiliar with product use. Do not store near food or feeds. Do not stack pallets more than two (2) high.

Transfer Equipment: Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.

Work/Hygienic Practices: Keep out of reach of children. Corrosive. Causes irreversible eye damage and skin burns. May be fatal if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Wear long-sleeved shirt and long pants, shoes and socks. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse. Wash clothing separately from other laundry. Keep unprotected persons out of treated areas until sprays have dried.

**SECTION 8. PERSONAL PROTECTIVE EQUIPMENT**

Eyes: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.

**SECTION 8. PERSONAL PROTECTIVE EQUIPMENT (Continued)**

Skin: Long-sleeved shirt and long pants, waterproof gloves and shoes plus socks.  
Respiratory: Use NIOSH-approved dust/mist respirator (such as 3M #8710).  
Ventilation: Recommended but no TLV established.

**SECTION 9. PHYSICAL AND CHEMICAL DATA**

Appearance: Light amber liquid.  
Odor: Benzaldehyde odor.  
pH: 7.0 – 8.0  
Vapor Pressure: Not available.  
Vapor Density (Air = 1): Not available.  
Boiling Point: 212°F (100°C).  
Freezing Point: Not available.  
Water Solubility: Completely soluble.  
Density: 8.2 lbs./gal.  
Evaporation Rate (butyl acetate = 1): Not available.  
Viscosity: Not available.  
% Volatile: Not available.  
Octanol/Water Partition Coefficient: Not available.  
Saturated Vapor Concentration: Not available.

**SECTION 10. STABILITY AND REACTIVITY**

Stability: Stable.  
Conditions To Avoid: Strong acids or bases.  
Incompatibility: Unknown.  
Hazardous Decomposition Products: Burning may produce oxides of nitrogen.  
Hazardous Polymerization: Will not occur.

**SECTION 11. POTENTIAL HEALTH EFFECTS**

Acute Effects:

Eyes: Moderate irritant. Causes burning, irritation and redness.  
Skin: Moderate irritant. Causes burning, irritation and redness.  
Ingestion: Concentrate may be fatal. Causes difficulty breathing and circulatory shock.  
Acute Oral LD<sub>50</sub> (rats) = 1000 mg/kg.  
Inhalation: Prolonged inhalation of vapors causes nausea, loss of motor skills and disorientation.

Subchronic Effects: Not available.

Chronic Effects: Not available.

**SECTION 12. ECOLOGICAL INFORMATION**

Algal/Lemna Growth Inhibition: Not known.  
Toxicity to Fish and Invertebrates: Not known.  
Toxicity to Plants: Not known.  
Toxicity in Birds: Not known.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local waste disposal regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

SECTION 14. TRANSPORTATION

D.O.T.:	Not D.O.T. Regulated.
Other Shipping Description:	Disinfectants, N.O.I. NMFC Item 57100, LTL Class 85

SECTION 15. REGULATORY INFORMATION

CERCLA: None.  
SARA TITLE III, Section 313 Toxic Chemicals: None.  
PROPOSITION 65 (CA): None.

SECTION 16. OTHER

All information appearing in this document was based on data provided by third party sources and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date, but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.