



## MATERIAL SAFETY DATA SHEET – MONTEREY CONSAN® 20

### Section 1: Product & Company Identification

**Trade Name:** MONTEREY CONSAN® 20  
**EPA Number:** 10324-94-54705  
**Product Class:** Quaternary Ammonium Compound  
**Product Use:** Fungicide/Disinfectant/Deodorizer  
**Distributor:** Lawn and Garden Products, Inc.  
 P.O. Box 35000  
 Fresno, CA 93745-5000  
**Telephone Numbers:** 24 hr. Emergency Assistance: Chemtrec 1-800-424-9300 or 1-559-994-9144  
 Product or Company Information: 1-559-499-2100 (Mon – Fri)

### Section 2: Composition/Information on Ingredients

Ingredient	CAS #	Wt. %
Alkyl dimethyl benzyl ammonium chloride (C <sub>12-18</sub> )	68391-01-5	9.0 – 11.0
Alkyl dimethyl ethyl benzyl ammonium chloride (C <sub>12-14</sub> )	85409-23-0	9.0 – 11.0
Ethanol	64-17-5	<1

### Section 3: Hazards Identification

<b>Emergency Overview</b>	Clear, colorless to straw colored liquid. Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.
---------------------------	--

#### Potential Health Effects:

**Skin:** Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin.  
**Eyes:** Causes burns and may result in permanent injury to eyes including blindness.  
**Inhalation:** Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. May be fatal if inhaled. Symptoms may include headaches, dizziness, and drowsiness.  
**Ingestion:** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.  
**Chronic:** Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.

### Section 4: First Aid Measures

**Eyes:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.  
**Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.  
**Inhalation:** If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.  
**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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

# Material Safety Data Sheet – MONTEREY CONSAN<sup>®</sup> 20

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

## Section 5: Fire Fighting Measures

**Flash Point:** >200°F (>94°C) - Pensky Martin Closed Cup

**Upper & Lower Flame Limits** Not determined

**Extinguishing Media:** Dry chemical, foam, carbon dioxide or water fog. Solid water streams may spread burning liquid.

**Fire Fighting Equipment & Instructions:** Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.

**Hazardous Combustion Products:** Irritating and toxic gases or fumes may be released during a fire.

**Unusual Fire Explosion Hazards** Explosive mixtures can form with air. Combustion products are toxic. Solvent vapors can travel to an ignition source and flash back.

## Section 6: Accidental Release Measures

### Spill and Leak Procedures

**Emergency Action:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area).

**Spill Cleanup:** Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

**Large Spills:** Dike far ahead of liquid spill for later disposal. Water spray may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces.

## Section 7: Handling & Storage

**Handling Procedures:** Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

**Storage Procedures:** Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:** Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.

### Personal Protective Equipment:

**Eyes/Face:** Wear chemical goggles. Use a face shield if splashing is possible.

**Skin:** Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.

**Respiratory:** If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

**General:** Eye wash fountain and emergency showers are recommended.

**The following ingredients have established exposure guidelines:**

Ingredient	Exposure Guideline	Guideline Value
Ethanol 64-17-5	ACGIH TWA (2002)	1000 ppm (TWA)
	NIOSH Pocket Guide	1000 ppm (TWA)
	Alberta (Canada)	1000 ppm (TWA), 1250 ppm (STEL)
	British Columbia, Manitoba, New Brunswick, Ontario, Quebec (Canada)	1000 ppm (TWA)
	Saskatchewan (Canada)	1880 mg/m <sup>3</sup> (TWA), 2350 mg/m <sup>3</sup> (STEL)
	Yukon (Canada)	1000 ppm (TWA), 1000 ppm (STEL)
	Mexico – Instruction No. 10	1000 ppm (TWA)

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

**Section 9: Physical & Chemical Properties**

<b>Flash Point:</b>	>200°F (>94°C) - Pensky Martin Closed Cup
<b>Specific Gravity:</b>	0.988 (8.2 lbs/gal)
<b>Percent Volatiles:</b>	Not determined
<b>Vapor Pressure:</b>	Not determined.
<b>VOC Content</b>	Not determined.
<b>Vapor Density:</b>	Not determined.
<b>Viscosity:</b>	Not determined.
<b>Evaporation Rate:</b>	Not determined.
<b>Pour Point:</b>	25°F
<b>pH :</b>	6.5 –8.5 for 10% Aqueous Solution
<b>Appearance and Odor:</b>	Clear, colorless to straw colored liquid with benzaldehyde (organic) odor.

**Section 10: Stability & Reactivity**

<b>Chemical Stability:</b>	Material is stable.
<b>Conditions to Avoid:</b>	Keep away from heat and strong oxidizing agents.
<b>Incompatibilities:</b>	Strong oxidizing agents (may result in fire), reducing agents.
<b>Hazardous Decomposition:</b>	Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.
<b>Hazardous Polymerization:</b>	Will not occur.

**Section 11: Toxicological Information**

<b>Carcinogenicity</b>	No Carcinogenicity data available for this product.
<b>Acute Oral LD50</b>	507 mg/kg for males and females combined.
<b>Acute Dermal</b>	Greater than 2000 mg/kg rats.
<b>Primary Skin</b>	Corrosive
<b>Primary Eye</b>	Corrosive

**Chemicals Ingredients Listed as Potential or Known Carcinogens**

Ingredient	OSHA	NTP	IARC
No ingredients listed in this section.			

# Material Safety Data Sheet – MONTEREY CONSAN 20

## Section 12: Ecological Information

**Ecotoxicity** Very Toxic to aquatic organisms  
Information available upon request. Please contact Lawn and Garden Products, Inc.

**Environmental Fate**  
This product is biodegradable

## Section 13: Disposal Considerations

### Disposal Instructions

Although not considered a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

## Section 14: Transport Information

<b>DOT Hazard Class</b>	8 Corrosive
<b>DOT Proper Shipping Name</b>	UN 1903, Disinfectants Liquid Corrosive, N.O.S. (Quaternary Ammonium Compound), 8, PG III, Ltd. Qty.
<b>49 CFR §173.154 (Exemption)</b>	This product can ship as a "Consumer Commodity" if packaged in < 1.3 gallons (5.0 Liter) containers. (Non Hazardous)

## Section 15: Regulatory Information

### TSCA Status

While three of four ingredients are listed on the TSCA Chemical Inventory, this product is regulated as a pesticide under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and not subject to the TSCA Inventory rules for FIFRA uses.

### Other Chemical Inventories

All components of this product are listed on the following inventories: European Union, China. One or more ingredients not found on inventories of Australia, Canada (DSL), Japan and Korea, and Philippines.

### CERCL/SARA

**SARA Title III, Sections 311/312** – This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40 CFR 370:  
**Classification of this product:** Immediate, Fire

**SARA Title 313** – This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

Chemical Name	CAS No.	Maximum Concentration	Comment
No ingredient listed in this section. (Isopropanol listing only for strong acid process but no supplier notification required.)			

**Reportable Quantities/Threshold Planning Quantities:** CERCLA requires notification of the National Response Center (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs). SARA 302/304 requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and/or release of Reportable Quantities.

Chemical Name	Reportable Quantity (RQ)	Threshold Planning Quantity (TPQ)
No ingredients listed in this section.		

### State & Provincial Right to Know & Selected Regulatory Lists

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List

Chemical Name	State List
Benzyl Chloride (trace < 10 ppm)	AZ, CA, CAP65C, CT, FL, ID, MA, MN, NJ, PA, RI

# Material Safety Data Sheet – MONTEREY CONSAN® 20

Chemical Name	State List
Ethanol	AZ, CA, CT, FL, ID, MA, MN, NJ, PA, RI

AZ – Arizona Ambient Air Quality Guidelines  
CT – Connecticut Hazardous Air Pollutants  
CA – California Director's List of Hazardous Substances  
CAP65C – California Prop 65 Carcinogen  
FL – Florida Substances List  
ID – Idaho Non-carcinogen Toxic Air Pollutants  
IL – Illinois Toxic Air Contaminant - Carcinogenic  
MA – Massachusetts Right to Know List  
MN – Minnesota Hazardous Substances List  
NJ – New Jersey Right to Know List  
PA – Pennsylvania Right to Know List  
RI – Rhode Island Hazardous Substances List

**WHMIS Classification:** B3, D1B, E. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## Section 16: Other Information

**Current Issue Date:** December 2013 Mason - April 2008

Hazard Ratings	HMIS (II)	NFPA
Health	3	3
Flammability	0	0
Reactivity	0	0
PPE	B	

### Disclaimer

Disclaimer: Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be held liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

The seller makes no warranty expressed or implied concerning the accuracy or any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products. The buyer assumes all risks of the use and/or handling.