

MATERIAL SAFETY DATA SHEET

CONTROL III® Laboratory Germicide

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name:	CONTROL III® LABORATORY GERMICIDE
EPA Number:	55364-4
Product Class:	Quaternary Ammonium Compound
Product Use:	Disinfectant/Sanitizer
Manufacturer:	Maril Products, Inc. 15421 Red Hill Avenue, Tustin, CA 92780
Telephone Numbers:	24 Hour Emergency Assistance: Chemtrec 1-800-424-9300 or Company office 1-800-546-7711 M-Th 8 am – 4 pm and F 8am-12pm

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (<i>specific</i>)	Wt. %	CAS Number
Alkyl dimethyl benzyl ammonium chloride (C12-18)	<1.0%	68391-01-5
Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)	<1.0%	85409-23-0

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview:	<i>Clear, colorless to straw-colored liquid. Irritating to the eyes.</i>
Potential Health Effects:	
Skin:	NA
Eyes:	Redness or tearing of eyes
Inhalation:	NA
Ingestion:	NA
Chronic:	NA

SECTION 4 — FIRST AID MEASURES

Eyes:	Immediately flush eyes with water for at least 15 minutes, while holding eyelid open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.
Skin or Clothing:	NA
Inhalation:	NA
Ingestion:	NA

MATERIAL SAFETY DATA SHEET – CONTROL III LABORATORY GERMICIDE

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.
Equipment and	Firefighters should wear full protective clothing including self-

Instructions:	contained breathing apparatus. Cool fire exposed containers with spray.
Hazardous Combustion Products:	Irritating toxic gasses 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

Emergency Action:	Isolate spill or leak area immediately. Keep unauthorized personnel away.
Spill Cleanup:	Rinse spills with water to drain
Large Spills:	Rinse spills with water to drain

SECTION 7 — HANDLING AND 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.

MATERIAL SAFETY DATA SHEET – CONTROL III LABORATORY GERMICIDE

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:	NA
Respiratory:	NA
General:	Eye wash fountain recommended.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Flash Point:	>200°F (>94C°) – Pensky Martin Closed Cup
Specific Gravity:	0.988 (8.2 lbs/gal)
Percent Volatiles:	Not determined
Vapor Pressure:	Not determined

VOC Content:	Not determined
Vapor Density:	Not determined
Viscosity:	Not determined
Evaporation Rate:	Not determined
Pour Point:	25°F
pH:	6.5 – 8.5 for 10% Aqueous Solution
Appearance and Odor:	Clear, colorless to straw liquid with benzaldehyde odor

SECTION 10 - STABILITY AND REACTIVITY

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

SECTION 11 – TOXICOLOGICAL INFORMATION

Carcinogenicity:	No carcinogenic data available.
Acute Oral LD50:	507 mg/kg for males and females combined.
Acute Dermal:	Greater than 2000 mg/kg rats.
Primary Skin:	NA
Primary Eye:	Irritation, redness

MATERIAL SAFETY DATA SHEET – CONTROL III LABORATORY GERMICIDE

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	Very toxic to aquatic organisms.
Environmental Fate:	This product is biodegradable.

SECTION 13 – DISPOSAL CONSIDERATIONS

<p>Disposal Instructions:</p> <p>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 the MSDS incomplete, inaccurate or otherwise inappropriate.</p> <p>The transportation, storage, treatment, and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.</p>
--

SECTION 14 – TRANSPORT INFORMATION

DOT Hazard Class	Non-Hazardous
DOT Proper Shipping Name	Disinfectants Liquid, NOS (Quaternary Ammonium Compound), 8, UN1903, PG III.
49 CFR§173.154 (Exemption)	This product can ship as a “Consumer Commodity” and re-classed as ORM-D 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: None listed.

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: None listed.

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
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: January 1, 2015
Previous Issue Date: September 1, 2011
Changes from Previous Issue Date: Update Information and revise format.

Hazard Ratings	HMIS (II)	NFPA
Health	1	1
Flammability	0	0
Reactivity	0	0
PPE	B	

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 their use and/or handling.