

# Material Safety Data Sheet – BACTIBARRIER DETERGENT/DISINFECTANT



## BactiBarrier

1244 Ritchie Highway, Suite 14  
Arnold, MD 21012

### MATERIAL SAFETY DATA SHEET – BACTIBARRIER DETERGENT/DISINFECTANT (Dilution : 2oz. per gallon)

#### Section 1: Product & Company Identification

**Trade Name:** BACTIBARRIER DETERGENT/DISINFECTANT (Diluted)  
**EPA Reg. No.** 10324-59  
**Product Class:** Quaternary Ammonium Compound  
**Product Use:** Disinfectant/Sanitizer  
**Manufacturer:** Mason Chemical Company  
721 W. Algonquin Rd.  
Arlington Heights, IL 60005  
**Telephone Numbers:** 24 hr. Emergency Assistance: Chemtrec 1-800-424-9300 or 1-703-527-3887  
Product or Company Information: 1-847-290-1621 (Mon – Fri)

#### Section 2: Composition/Information on Ingredients

Ingredient	CAS #	Wt. %
Alkyl dimethyl benzyl ammonium chloride (C <sub>12-18</sub> )	68391-01-5	0.01 – 0.03
Alkyl dimethyl ethyl benzyl ammonium chloride (C <sub>12-14</sub> )	85409-23-0	0.01 – 0.03

#### Section 3: Hazards Identification

**Emergency Overview** Clear, colorless to straw colored liquid. Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.

#### Potential Health Effects:

**Skin:** May be mildly irritating. Very large exposure may be harmful.  
**Eyes:** May cause irritation.  
**Inhalation:** Mists and vapors may be mildly irritating to the throat and respiratory tract.  
**Ingestion:** Harmful if swallowed.  
**Chronic:** None

#### Section 4: First Aid Measures

**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 eyes. If irritation persists, get medical attention.  
**Skin:** Flush immediately with plenty of water. If irritation persists, get medical attention.  
**Inhalation:** If breathing is affected, remove to fresh air. Get medical attention.  
**Ingestion:** Immediately drink one cupful of water or milk. Get medical attention.  
**Aggravated Medical Conditions:** Persons with pre-existing skin disorders may be more susceptible to irritating effects

#### Section 5: Fire Fighting Measures

**Flash Point:** None when heated to 100°C – Cleveland Open Cup  
**Upper & Lower Flame Limits:** Not determined.  
**Extinguishing Media:** Any agent suitable for surrounding fire.  
**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:** Combustion products are toxic.

#### Section 6: Accidental Release Measures

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## **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.

**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.. 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.

**Large Spills:** Dike far ahead of liquid spill for later disposal. Pump into containers for disposal.

## **Section 7: Storage & Handling**

**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. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

## **Section 8: Exposure Controls/Personal Protection**

**Engineering Controls:** No special ventilation requirements. General room ventilation is adequate.

### **Personal Protective Equipment:**

**Eyes/Face:** Safety glasses with side-shields if splashing is likely

**Hand Protection** No special requirements under normal use conditions.

**Skin and body** No special requirements under normal use conditions

**Respiratory:** No special requirements under normal use conditions

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice

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

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

Ingredient	Exposure Guideline	Guideline Value
No ingredients listed in this section.		

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**

**Flash Point:** None when heated to 100°C – Cleveland Open Cup

**Specific Gravity:** 1.00 (~8.34lbs/gal)

**Percent Volatiles:** Not determined.

**Vapor Pressure:** Not determined.

**VOC Content** Not determined

**Vapor Density:** Estimated to be heavier than air.

**Viscosity:** 2.035 mm<sup>2</sup>/s (cSt) @ 24°C

**Evaporation Rate:** Not determined.

**Pour Point:** Not determined.

**pH :** 7 - 9

**Appearance and Odor:** Clear, colorless to straw colored liquid with benzaldehyde (organic) odor.

## **Section 10: Stability & 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 and toxic hydrogen chloride vapors.

**Hazardous Polymerization:** Will not occur.

## **Section 11: Toxicological Information**

**Carcinogenicity** No Carcinogenicity data available for this product.

**Acute Oral LD50** > 5000 mg/kg in male and female rats

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**Acute Dermal LD50** > 2,000 mg/kg in male and female rabbits  
**Primary Skin** Category IV  
**Primary Eye** Category IV

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

Ingredient	OSHA	NTP	IARC
No ingredients listed in this section.			

**Section 12: Ecological Information**

**Ecotoxicity** Very Toxic to aquatic organisms  
 Information available upon request. Please contact Mason Chemical Company Technical Service Department.

**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**

**DOT Hazard Class** Non-Hazardous,  
**DOT Proper Shipping Name** Not Applicable

**Section 15: Regulatory Information**

**TSCA Status**

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: China and European Union,. One or more ingredients are not listed on the following inventories: Australia, Canada, Japan, Korean 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 ingredients listed in this section.			

**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 < 10ppm)	AZ, CA, CAP65C, CT, IL, MA, MN, NJ, PA, RI

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AZ – Arizona Ambient Air Quality Guidelines  
CT – Connecticut Hazardous Air Pollutants  
CA – California Director's List of Hazardous Substances  
CAP65C – California Prop 65 Carcinogen  
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:** E, D2B. 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 2015

**Previous Issue Date:** N/A

**Changes from Previous Issue Date:** New

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

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