

## Safety Data Sheet – BACOFF

**ENVIROCHEM, INC.  
425 WHITEHEAD AVE.  
SOUTH RIVER, NJ 08882**

**MATERIAL SAFETY DATA SHEET – 1/23/2019**

### Section 1: Product & Company Identification

**Trade Name:** BACOFF

**EPA No.** 1839-220

**Product Class:** Quaternary Ammonium Compound

**Product Use:** Disinfectant/Sanitizer

**Manufacturer:** ENVIROCHEM, INC.

425 Whitehead Ave.

South River, NJ 08882

**Telephone** 24 hr. Emergency Assistance: Chemtrec 1-800-424-9300 or 1-703-527-3887

**Numbers:** Product or Company Information: 1-847-290-1621 (Mon – Fri)

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## Section 2: HAZARD IDENTIFICATION

### Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

### GHS Label elements, including precautionary statements

#### Emergency Overview

#### Signal Word

#### Warning

#### Hazard Statements

- Causes skin irritation
- Causes serious eye irritation



**Appearance** Clear

**Physical State** Solid.

**Odor** No information available

### Precautionary Statements

#### Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection.

#### General Advice

- None

#### Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention.

#### Skin

- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation occurs: Get medical advice/attention
- Take off contaminated clothing and wash before reuse.

#### Storage

- None

#### Disposal

- None

### Hazard Not Otherwise Classified (HNOC)

Not applicable

### Other information

No information available.

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## Section 3: INGREDIENTS

Ingredient	CAS #	Wt. %
Alkyl dimethyl ethylbenzyl ammonium chloride (C <sub>12-16</sub> )	85409-23-0	<1
EDTA (38% basis)	64-02-8	1-5
Dye (not hazardous)	Various	~ 500 ppm
Water	7732-18-5	95 – 96

## Section 4: First Aid Measures

<b>Eyes:</b>	Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.
<b>Skin or Clothing:</b>	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.
<b>Inhalation:</b>	If symptoms are experienced, move victim to fresh air.
<b>Ingestion:</b>	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.
<b>Note to Physician:</b>	Possible mucosal damage may contraindicate the use of gastric lavage.

## Section 5: Fire Fighting Measures

<b>Flash Point:</b>	Not anticipated to exhibit any flash point but data not currently available.
<b>Upper &amp; Lower Flame Limits</b>	Not determined
<b>Extinguishing Media:</b>	Use any agent appropriate for surrounding fire.
<b>Fire Fighting Equipment &amp; Instructions:</b>	Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.
<b>Hazardous Combustion Products:</b>	Irritating and toxic gases or fumes may be released during a fire.

## Section 6: Accidental Release Measures

### Spill and Leak Procedures

<b>Emergency Action:</b>	Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind.
<b>Spill Cleanup:</b>	Ventilate closed spaces before entering. 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.
<b>Large Spills:</b>	Dike far ahead of liquid spill for later disposal.

## Section 7: Handling & Storage

<b>Handling Procedures:</b>	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.
<b>Storage Procedures:</b>	Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing.

## Section 8: Exposure Controls/Personal Protection

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

**Personal Protective Equipment:**

**Eyes/Face:** Wear safety glasses or chemical goggles.  
**Skin:** Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.  
**Respiratory:** Not normally required.  
**General:** Eye wash fountain and emergency showers are recommended.

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

(Values are presented for ingredients present in sufficient quantity to warrant disclosure. Some ingredients present at below OSHA and/or WHMIS disclosure values are not presented. E.g., glycerin)

Ingredient	Exposure Guideline	Guideline Value
Isopropyl Alcohol	ACGIH TWA (2004),	200 ppm TWA, 400 ppm STEL
	OSHA PEL	400 ppm TWA
	NIOSH Pocket Guide	400 ppm TWA, 500 ppm STEL
	Alberta, Manitoba, New Brunswick, Northwest Territories, Nova Scotia, Nunavut, Ontario, Quebec, Saskatchewan, Yukon (Canada)	400 ppm TWA, 500 ppm STEL
	British Columbia (Canada)	200 ppm TWA, 400 ppm STEL
	Mexico	400 ppm TWA, 500 ppm STEL
Monoethanolamine	ACGIH TWA (2004), NIOSH Pocket Guide	3 ppm TWA, 6 ppm STEL
	OSHA PEL	3 ppm TWA
	Alberta, British Columbia, Manitoba, New Brunswick, Northwest Territories, Nova Scotia, Nunavut, Ontario, Quebec, Saskatchewan, Yukon (Canada)	3 ppm TWA, 6 ppm STEL
	Mexico	3 ppm TWA, 6 ppm STEL

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:** Not anticipated to exhibit any flash point but data not currently available.  
**Specific Gravity:** 0.99  
**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:** Not determined.  
**pH :** Not determined.  
**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 strong oxidizing agents.  
**Incompatibilities:** Strong oxidizing agents, 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.

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**Acute Oral LD50** > 5,000 mg/kg in rats  
**Acute Dermal** > 2,000 mg/kg in rats  
**Primary Skin** Not an irritant.  
**Primary Eye** Mildly irritating.

### Chemicals Ingredients Listed as Potential or Known Carcinogens

Ingredient	OSHA	NTP	IARC
No ingredients listed in this section.			

### Section 12: Ecological Information

**Ecotoxicity** No data available for this product but considered toxic to fish.

### Section 13: Disposal Considerations

#### Disposal Instructions

This substance, when discarded or disposed of, is a characteristic hazardous waste according to Federal regulation (40 CFR 261) and is assigned the EPA Hazardous Waste Number of D001. The discarding or disposal of this material must 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** Not regulated  
**DOT Proper Shipping Name** Not applicable

### Section 15: Regulatory Information

#### TSCA Status

While all 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: Canada (DSL), European Union, China, Korean and Philippines. One or more ingredients are not listed on the following inventories: Australia and Japan.

#### 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

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Chemical Name	State List
Ethanol < 200 ppm	AZ, CA, CAP65R (ingestion only), CT, FL, ID, MA, MN, NJ, PA, RI
Benzyl Chloride (trace impurity < 10ppm)	AZ, CA, CAR65C, FL, IL, MA, MN, NJ, PA

AZ – Arizona Ambient Air Quality Guidelines  
CT – Connecticut Hazardous Air Pollutants  
CA – California Director's List of Hazardous Substances  
CA65C – California Prop 65 Carcinogen  
CA65R – California Prop 65 Reproductive Toxin  
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:** Not a controlled product. 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:** JAN 23, 2019  
**Previous Issue Date:** None  
**Changes from Previous Issue Date:** New MSDS

Hazard Ratings	HMIS	NFPA
Health	1	1
Flammability	0	0
Reactivity	0	0
PPE	X	

### Disclaimer

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