BACOFF is bactericidal according to the AOAC Use Dilution Test method on hard inanimate surfaces, modified in the presence of 5% organic serum against:

- Brevibacterium ammoniagenes
- Proteus vulgaris
- Campylobacter jejuni
- Psedomonas aeruginosa
- Psedomonas aeruginosa (Antibiotic resistant)
- Enterobacter aerogenes
- Salmonella choleraesuis
- Enterobacter cloacae
- Salmonella typhi
- Enterococcus faecalis
- Serratia marcescens
- Enterococcus faecium (Vancomycin resistant)
- Shigella dysenteriae
- Escherichia coli
- Shigella flexneri
- Escherichia coli (Antibiotic resistant)
- Shigella sonnei
- Escherichia coli 0157:H7
- Staphylococcus aureus
- Lengionella pneumophila
- Staphylococcus aureus (Methicillin resistant) (MRSA)
- Klebsiella pneumoniae
- Staphylococcus epidermidis (Antibiotic resistant)
- Klebsiella pneumoniae (Antibiotic resistant)
- Streptococcus pyogenes
- Listeria monocytogenes
- Proteus mirabilis
- Candida albicans
- Trichophyton mentagrophytes

Fungicidal against:

- Aspergillus niger

Virucidal* Performance: This product was evaluated and found to be effective against the following viruses on inanimate hard, non-porous environmental surfaces. Treated surfaces must remain wet for 10 minutes. For heavily soiled areas, a pre-cleaning step is required.

- Influenza A/Brazil Virus
- Herpes Simplex Type1
- Newcastle disease virus
- Herpes Simplex Type2
- HIV-1 (AIDS virus)
- Hepatitis C virus
- Pseudorabies virus
- Hepatitis B virus
- Transmissible Gastroenteritis (TGE)
- Human Coronavirus
- Vaccinia virus

**PROPERTIES:**

- Chemical composition: Sanitizers; penetrating agents; deodorizers
- Appearance: Clear liquid
- pH: 7.0
- Specific Gravity: 1.008
- Stability: 1 Year @ Ambient Temperature
- Rinsing: Complete
- Foaming: Moderate

**DIRECTIONS FOR USE:**

**Mold and Mildew Control Directions:** This product will effectively inhibit the growth of mold and mildew (Aspergillus niger) and their odors on hard, non-porous surfaces. Thoroughly wet all treated surfaces completely. Let air dry. Repeat application weekly or when growth or odor reappears.

**Cleaning/Deodorizing Directions:** Apply undiluted solution with a mop, cloth, sponge or mechanical sprayer so as to wet all surfaces thoroughly. If mechanical spray device is used, spray should be coarse. Allow to air dry or wipe up excess liquid.

**To Disinfect Food Service Establishment Food Contact Surfaces:** (For) countertops, exterior surfaces of appliances, and tables. Before using this product, food products and packaging materials must be removed from area or carefully protected. For heavily soiled areas, a pre-cleaning step is required. Apply undiluted solution with a mop, cloth, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. For sprayer applications, use a coarse spray device. Allow to remain wet for 10 minutes. Then remove excess liquid and rinse the surface with potable water. After use, all surfaces in the area must be thoroughly rinsed with potable water. This product is not for use on dishes, glassware or eating utensils.

**HANDLING PRECAUTIONS:**

**CAUTION: WARNING**

KEEP OUT OF REACH OF CHILDREN

Contact with skin and eyes may cause severe irritation. Harmful if swallowed. Flood with water if splashed in eyes. Flush with water for 15 minutes and consult a physician immediately. If ingested, drink large amounts of milk, milk of magnesia or gelatin, or if these are not available, drink large amounts of water. Do not induce vomiting. Obtain prompt medical attention.

Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.
SECTION 1- GENERAL PRODUCT DATA

Product Name: BACOFF
Product Code: BACOFF
HMIS Legend: 4-Extreme 3-High 2-Moderate 1-Slight 0-Insignificant
HMIS Hazard Code: Health:1 Flammability:0 Reactivity:0
Chemical Family: Sanitizer - Quaternary Type
D.O.T. Shipping Name: Cleaning Compound Liquid

SECTION 2 - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>OSHA PEL</th>
<th>ACGIH</th>
<th>TLV %</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Alkyl Dimethylbenzyl Ammonium Chloride</td>
<td>68391-01-5</td>
<td>&lt;5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-Alkyl Dimethylethylbenzyl Ammonium Chloride</td>
<td>68956-79-6</td>
<td>&lt;5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NJTSR#39210900-5082</td>
<td></td>
<td>&gt;70</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Unidentified ingredients are not considered hazardous under the Federal Hazard Communications Standard (29 CFR 1910. 1200)

SECTION 3 - PHYSICAL DATA

Boiling Point (°F): 214
Vapor Pressure (mm Hg): = N/A
Specific Gravity: 1.008
Percent Volatile By Volume: N/A
Evaporation Rate: = N/A
Odor: Characteristic

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point (F): N/A
Flammable Limits: N/A
Unusual Fire & Explosion Hazards: Not considered combustible
Special Fire Fighting Procedures: This product is not normally considered combustible and will not burn or sustain combustion

SECTION 5 - HEALTH HAZARD DATA

Route(s) of Entry: Inhalation: No Skin: Yes Ingestion: Yes
Effects of Overexposure: Contact with skin may cause defatting and irritation. May cause eye irritation or burns. May be harmful if swallowed.
Emergency & First Aid Procedures:
For Skin: Wash with cool water for 15 minutes. Seek medical attention if irritation develops. Wash contaminated clothing before reuse.
For Eyes: Wash with cool running water for a minimum of 15 minutes. Seek medical attention if irritation develops.
If Ingested: If swallowed, give several cups of water to dilute material. Do not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious person.

Carcinogens: Not considered carcinogenic by OSHA, NTP, or IARC

SECTION 6 - REACTIVITY DATA

Stability: Stable
Conditions to Avoid: None known
Incompatibility: Strong oxidizing agents
Hazardous Decomposition Products: None anticipated
Hazardous Polymerization: Will not occur

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled:
Stop flow of product. Collect large spills for proper disposal. Wash spill area with plenty of water.
Waste disposal method: Dispose of in accordance with all applicable federal, state and local regulations. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.

SECTION 8 - SUGGESTED PROTECTIVE EQUIPMENT

Respiratory Protection: None usually required
Ventilation: Adequate general ventilation
Protective Gloves: Rubber or latex gloves
Eye Protection: Safety glasses recommended
Other Protective Equipment: None usually required

SECTION 9 - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage:
Store at room temperature. Keep from freezing. Keep container closed when not in use. Use with adequate ventilation. Avoid contact with skin & eyes or the breathing of mists. Wash thoroughly after handling.
Other Precautions: Do not take internally. Avoid contamination of food. For industrial use only. Keep out of reach of children. Do not mix with anything but water.

SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:
This information must be included in all MSDS’s that are copied and distributed for this material.

NOTICE

The information contained in this MSDS was obtained from current and reliable sources, however the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy, including the implied warranties of merchantability or fitness for a particular use or method of application. Since the conditions or handling, storage and disposal of this product are beyond the control of this company, it is not responsible for loss, injury and expense arising out of the products improper use.