Zep FS FORMULA 3861™
NO-RINSE ACID CLEANER – SANITIZER
For Food, Dairy, Beverage, Meat, Poultry, Egg and Seafood Processing & Farm Use

ACTIVE INGREDIENTS:
Dicyclohexyl dimethyl ammonium chloride .......................................................... 2.295%
Dicetyl dimethyl ammonium chloride ................................................................. 0.918%
Dodecyl dimethyl ammonium chloride ............................................................... 1.137%
Alphacide (C9 & C10; 90% C10; 10% dodecyl benzyl ammonium chloride) .............. 1.000%
OTHER INGREDIENTS: ......................................................................................... 11.303%
TOTAL: ............................................................................................................... 100.000%

KEEP OUT OF REACH OF CHILDREN
DANGER • PELIGRO

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Dangers: Contact to the eyes causes extreme irritation and skin irritation. Do not get in eyes, on skin, or on clothing. Wear protective clothing, eyeglasses, face shield or safety glasses and protective gloves (rubber, chemical resistant). Harmful if swallowed. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

First Aid:

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.

IF ON SKIN: Take off contaminated clothing. Rinse skin with plenty of water for 15 – 20 minutes.

IF SWALLOWED: Call a Poison 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 center or doctor. Do not give anything by mouth to an unconscious person. NOTE TO PHYSICIAN: Precaution: marshmallow may contaminate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

Call a Poison Control Center or doctor for treatment advice. Have product container or label with you when calling poison center or doctor or going for treatment.

ENVIRONMENTAL HAZARDS
This product is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, ditches or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Use Zep FS Formula 3861 as a food contact sanitizer at a concentration of 150 – 400 ppm active.

Institutional and scale can be built up on pipelines, storage tanks, tank trucks, silos and processing equipment in the dairy industry. Use of this product will remove institutional and scale from human and cheese making equipment and help maintain the efficiency of the operation as well as eliminate bacterial growth.

Zep FS Formula 3861 is not only sanitizing but also removes lime and calcium in brewer’s, brewery and water utilization.

Zep FS Formula 3861 is an effective food contact sanitizer at 1 ppm per gallon of water (150 ppm active agent) when evaluated by the AOAC Germicidal and Detergent Sanitizer Method in 500 ppm hard water calculated as CaCO3 against:
Escherichia coli Salmonella enterica Vibrio cholerae
Salmonella enterica Shigella sonnei Yersinia enterocolitica
Dicyclohexyl dimethyl ammonium acetate
Dicyclohexyl dimethyl ammonium acetate
Dicyclohexyl dimethyl ammonium acetate

Zep FS Formula 3861 is an effective food contact sanitizer at 2 ppm per gallon of water (100 ppm active agent) when evaluated by the AOAC Germicidal and Detergent Sanitizer Method in 500 ppm hard water calculated as CaCO3 against:
Campylobacter jejuni Listeria monocytogenes Staphylococcus aureus
Campylobacter jejuni Listeria monocytogenes Staphylococcus aureus
Campylobacter jejuni Listeria monocytogenes Staphylococcus aureus

GRADE A PASTEURIZED MILK ORGANIZATION:
At 1 – 2 oz. per 4 gallons of water (150 – 300 ppm active agent), this product fulfills the criteria of Appendix F of the Grade "A" Pasteurized Milk Ordinance revised 2007 recommendations of the U.S. Public Health Services.

CILIATION CHART

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Solution</th>
<th>2 gallons of water</th>
<th>4 gallons of water</th>
<th>10 gallons of water</th>
<th>20 gallons of water</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 ppm</td>
<td>0.15 oz</td>
<td>1/2 oz</td>
<td>1 oz</td>
<td>3.75 oz</td>
<td>7.5 oz</td>
</tr>
<tr>
<td>200 ppm</td>
<td>0.2 oz</td>
<td>3/4 oz</td>
<td>1 3/4 oz</td>
<td>5 oz</td>
<td>10 oz</td>
</tr>
<tr>
<td>300 ppm</td>
<td>1 oz</td>
<td>2 oz</td>
<td>5 oz</td>
<td>10 oz</td>
<td></td>
</tr>
<tr>
<td>400 ppm</td>
<td>1 1/3 oz</td>
<td>2 2/3 oz</td>
<td>6 2/3 oz</td>
<td>12 1/3 oz</td>
<td></td>
</tr>
</tbody>
</table>

Directions For Use:

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Zep FS Formula 3861 is an acid cleaner sanitizer for use on food processing and dairy equipment in water up to 500 ppm hardness as CaCO3.

For all equipment a preliminary cleaning is required before sanitizing.

Before use in federally inspected meat and poultry processing plants and dairies, food products and packaging materials must be removed from the area or carefully protected.

TO SANITIZE MILK TANKS AND TO SANITIZE BLDG, NONPOROUS SURFACES AND EQUIPMENT IN FOOD, DAIRY, BEVERAGE, MEAT, POULTRY, EGG, AND SEAFOOD PROCESSING PLANTS:
Remove gross filth and sell by prefill or pressurize or, when necessary, by pressurize. Then wash surfaces with a compatible detergent and rinse with potable water prior to sanitizing. Apply a solution of 1-3/2 oz. of Zep FS Formula 3861 per gallon of water (150-400 ppm active agent) to precipitated hard surfaces, thoroughly wetting surfaces with a cloth, sponge, coarse sprayer or by immersion. Treated surfaces must remain wet for at least 60 seconds (one minute) followed by adequate draining. Do not rinse. Prepare a fresh solution daily or more often if solution becomes visibly discolored, clogged or soiled. For mechanical application, use solution may not be used for sanitizing applications but may be used for cleaning.

TO SANITIZE MILK PRODUCT DISPENSING EQUIPMENT AND TO SANITIZE BEVERAGE DISPENSING EQUIPMENT:
1. Remove gross filth and sell by prefill or pressurize or, when necessary, by pressurize. Then wash equipment with a compatible detergent and rinse with potable water prior to sanitizing.
2. Wash equipment with a solution of 1-1/2 oz. of Zep FS Formula 3861 per gallon of water (150-400 ppm active agent). Allow solution to remain in equipment for a total of 60 seconds.
3. Drain thoroughly before reuse. Do not rinse.

For removable parts, immerse in use-solution for at least 60 seconds. Do not rinse.

For items too large to sanitize by immersion, apply use-solution by spraying or swabbing until thoroughly wet for at least 60 seconds. Drain thoroughly before reuse. Do not rinse.

TO SANITIZE SANITARY FITTING EQUIPMENT:
Use to sanitize bottles or cans in the final rinse application. Wash surfaces with a compatible detergent and rinse with potable water prior to sanitizing. Prepare a use-solution of 1-3/2 oz. of this product per gallon of water for final washer and rinse post. Allow surfaces to remain wet for at least 60 seconds. Drain thoroughly before reuse. Do not rinse.

Storage and Disposal:

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Open dumping is prohibited. Store in original container in areas inaccessible to children.

PESTICIDE DISPOSAL: Pesticides are generally hazardous, improperly disposed of excess pesticide, spray equipment rinsate is pollution of Federal Law. If these wastes cannot be disposed of by use according to labeling instructions, consult your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-hazardous containers. Do not freeze or refill this container. Clean-containers promptly after emptying. Triple rinse as follows: Fill container 1/4 full with water and rinse the container. Agitate vigorously, and dispose of rinse water with pesticide disposal instructions. Repeat two more times. Then, allow for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinseout. If not triple rinsed, these containers are acute hazardous wastes and must be disposed of in accordance with local, state, and federal regulations.

EPA REG. No. 8633-63-1270
EPA EST. No. 1276-TX-1(1) or 72424-6A-119
Postcscript is number of batch code on container.

NET CONTENTS:
5 Gallons
18.92 Liters

PROD. #3386
0513G
v.120211

MADE IN THE USA • Sold by: Zep Inc. • 1310 Seaboard Ind. Blvd., Atlanta, GA 30318

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