DAIRISAN

Multi-Purpose Cleaner & Sanitizer
For the Dairy Industry

ACTIVE INGREDIENTS:
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride .................................................. 5.0%
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) diethylbenzyl ammonium chloride .................................................. 5.0%
INERT INGREDIENTS ....................................................................................................................... 90.0%
TOTAL ....................................................................................................................................... 100.0%

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
KEEP OUT OF REACH OF CHILDREN. CORROSIVE. Causes irreversible eye damage and skin burns. May be fatal if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco.

FIRST AID
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF IN 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 eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: 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.

IF SWALLOWED: 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

FOR EMERGENCY MEDICAL INFORMATION IN USA OR CANADA, CALL: 1-800-328-0026
FOR EMERGENCY MEDICAL INFORMATION WORLDWIDE, CALL: 1-651-222-3532 (IN THE USA).

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public 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 sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

STORAGE AND DISPOSAL
DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE: Store in a dry place no lower in temperature than 120°F, do not store in an area inaccessible to children.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container promptly after emptying. Triple rinse on the inside, and then pour water into the tank, mixers and covers and then allow to drain.

SANITIZING MILKING EQUIPMENT
Previously cleaned milking equipment, pails, inflations, and tubing should be sanitized prior to milking operations by preparing a 200 ppm solution of active quaternaries by mixing 1 ounce (2 tablespoons) Dair-San 4 gallons of water. Scrub or dip equipment into the solution for one minute and allow to drain prior to the beginning of the milking operation. Do not rinse equipment with water after treatment. Always use freshly prepared solutions and non-corrosive utensils.

SANITIZING DAIRY PRODUCT DISPENSING EQUIPMENT
Previously cleaned dairy product dispensing equipment should be sanitized by preparing a 200 ppm solution of active quaternaries by mixing 1 ounce of Dair-San to 4 gallons of water. Run the solution through the equipment for one minute and allow to drain before use. For removable parts, clean and dry in 200 ppm solution. Let them air dry. To sanitize immovable items, flood them with a 200 ppm active quail by spraying or spraying for at least 60 seconds and let dry. Do not rinse equipment with water after treatment.

SANITIZING PREVIOUSLY CLEANED, NON-POROUS SURFACES AND EQUIPMENT IN DAIRY PLANTS
Remove all gross food particles and soil from equipment and surfaces with a good detergent, pre-flush, pre-soak or pre-scrub treatment. Rinse with potable water. Prepare a 200 ppm active quaternary solution by adding 1 ounce of Dair-San to 4 gallons of water, 2.5 to 10 ounces of water, or 5 to 20 gallons of water. Sanitize with the solution by wetting all surfaces thoroughly by application of a coarse spray, flooding, immersion, or brushing. Allow sanitizer solution to contact surface for at least one minute. Drain and allow equipment to air dry. Prepare a fresh solution daily or more frequently as is safe, is apparent, test sanitizer periodically with a quaternary tester to maintain 200 ppm active level.

SANITIZING PREVIOUSLY CLEANED, NON-POROUS SURFACES AND EQUIPMENT IN FOOD, BEVERAGE, MEAT, POULTRY, EGG AND SEAFOOD PROCESSING PLANTS
Remove all gross food particles and soil from equipment and surfaces with a good detergent, pre-flush, pre-soak or pre-scrub treatment. Rinse with potable water. Prepare a 200 ppm active quaternary solution by adding 1 to 2 ounces of this product to 4 gallons of water, 2.5 - 5.0 ounces to 10 gallons of water, or 5 to 10 ounces to 20 gallons of water. Sanitize with the solution by wetting all surfaces thoroughly by application of a coarse spray, flooding, immersion, or brushing. Allow sanitizer solution to contact surface for at least one minute. Drain and allow equipment to air dry. Prepare a fresh solution daily or more frequently as is safe, is apparent, test sanitizer periodically with a quaternary tester to maintain 200 - 400 ppm active level.

To prepare a 200, 300 or 400 ppm active quaternary solution, use the following dilution table:

<table>
<thead>
<tr>
<th>Active Quat Solution</th>
<th>1 Gallon</th>
<th>4 Gallons</th>
<th>10 Gallons</th>
<th>20 Gallons</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 ppm</td>
<td>0.35 quart</td>
<td>1 quart</td>
<td>2.5 quart</td>
<td>5 quarts</td>
</tr>
<tr>
<td>300 ppm</td>
<td>0.5 quart</td>
<td>1.25 quart</td>
<td>3.75 quart</td>
<td>7.5 quart</td>
</tr>
<tr>
<td>400 ppm</td>
<td>0.6 quart</td>
<td>1.5 quart</td>
<td>5 quart</td>
<td>10 quarts</td>
</tr>
</tbody>
</table>

HARD WATER TOLERANCE
Dair-San fulfills the criteria of Appendix F of the Grade A Pasteurized Milk Ordinance 1965 recommendation of the U.S. Public Health Service in waters up to 600 ppm of hardness calculated as calcium carbonate, when treated by the ADAC Generalist and Detergent/Sanitizing Official Method. Consult your milk inspector or health officers for recommendations on your local program.

Dair-San is easily and quickly disposed in hot or cold water and cleans in water up to 600 ppm of hardness (as calcium carbonate) to form a completely uniform solution. Dair-San when used at a 1:500 aqueous dilution (200 ppm active quaternary) may be used on dairy equipment. Dair-San when used at 1:250 to 1:500 aqueous dilution (200 - 400 ppm active quaternary) may be used on food processing equipment. When used as directed, Dair-San is an effective sanitizer against Escherichia coli, Staphylococcus aureus, Listeria monocytogenes, and Salmonella enterica serovar: enteritides and vibrio cholerae.

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
CLEANING DAIRY FARM BULK MILK TANKS
As soon as possible after milk has been removed from bulk tanks, rinse tank completely with cold water and allow to drain. Place 4 gallons of warm water (120°F) in tank and 1 ounce (2 tablespoons) Dair-San to the water in the tank. Scrub tank, mixers and covers and then allow to drain.

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