



Rev. 8/24/82

RESEARCH LABORATORY/TECHNICAL DATA

FSD-39

Low Foam Water Treatment Microbiocide
(Pasteurizers, Can Warmers, & Cooling Waters)

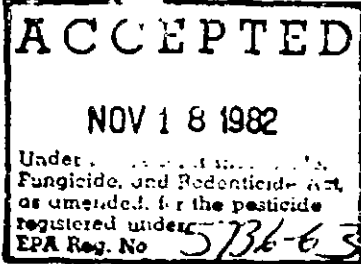
GENERAL DESCRIPTION:

FSD-39 is a low foam water treatment product to prevent odors, to prevent clogging of nozzles and pipes and to improve heat transfer in pasteurizers, can warmers, and cooling waters. It is safe to use on unvarnished aluminum cans and does not affect standard lithograph ink used on unvarnished cans at the recommended using dilution. Lithographed cans should be tested in the using dilution to verify ink safety. FSD-39 contributes to the conservation of energy and conservation of water. Its use reduces the frequency of boilouts for pasteurizers and can warmers and clean-up time. EPA Registration No. 5736-63-AA.

DIRECTIONS FOR USE:

As a Water Conditioner in Brewery Pasteurizers:

For preventing odors and for the reductions of the number of bacteria, fungi and yeasts which produce slime, apply FSD-39 to fresh water after pasteurizer has been cleaned and boiled out. Apply 80 volume ounces (0.625 gallons) of FSD-39 per 1000 gallons of water (1:1600). Use this same ratio for fresh make up water. Slug feed FSD-39 (80 volume ounces/1000 gallons) to the preheating and cooling sections of the pasteurizer one half hour before shut down at the end of work week or when a pasteurizer will be idle for more than one day. Aerobic capsulated bacteria such as Aerobacter, Flavobacterium, and Pseudomonas are generally associated with slime problems.



In pasteurizers where breakage is low, slime can be controlled with 80 volume ounces/1000 gallons as applied weekly.

FSD-39 will loosen sludge and slime therefore, screens should be removed and flushed with water daily.

Should slime develop a second slug treatment should be given using 160 vol. ounces/1000 gallons during the week.

Containers should be given a fresh water final rinse to remove organic soils.

For Can Warmers and Walker Coolers

FSD-39 can be used in can warmers for sealed beverages or in cooling water for sealed jars or cans of sealed food. Good manufacturing practices dictate that all leakers be removed.

(please see reverse)

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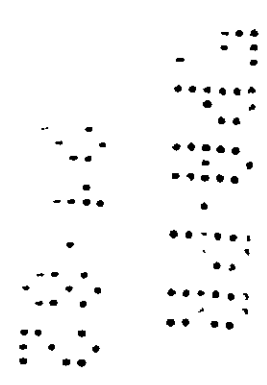
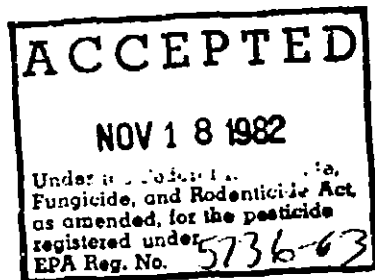
Seller makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions.

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Limitations:

The procedure on the preceding page could be limited by some unforeseen interference. To insure this procedure is accurate for your use, some known dilutions should be made in the lab and titrated. A large variance in drop values in comparison to the table on the previous page would indicate some type of interference. However, a few drops difference (2-3) is probably due to technique and the number of drops of titrant per concentration can be adjusted accordingly. It is best to establish your own "drops versus concentration" curve for your own use, based on these known dilutions. This kit will provide for 35 titrations. Larger volume replacement solutions can be obtained from the Sharonville Lab. If desired, information can be provided so the solutions can be prepared at the site control lab.

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