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UltraFresh[®] DM-50CCD

BACTERIOSTATIC AND FUNGISTATIC PRESERVATIVE

DIRECTIONS FOR USE:

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

Ultra-Fresh DM-50CCD can also be used as a bacteriostatic and fungistatic treatment for residential commercial and institutional carpets and rugs when applied by professional cleaners.

Ultra-Fresh DM-50CCD is to be used as directed in the accompanying Technical Data and Product Information Sheets.

APPLICATION INSTRUCTIONS:

Spray evenly one gallon per 300 square feet of textile surfaces. On carpet surfaces brush in and allow to dry.

NOTE: Use wide nozzle sprayer. Do not mist.

Dilute 1 gallon of

Ultra-Fresh DM-50CCD

with 4 gallons of

water prior to use.

APR 15 1986

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under EPA Reg. No. 10466-34

E.P.A. Reg. No. 10466-34

ACTIVE INGREDIENT

Tributyltin maleate 0.4%
INERT INGREDIENTS 99.6%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

ONLY FOR SALE TO, USE AND STORAGE BY SERVICE PERSONS AND INDUSTRIAL USERS.

STATEMENT OF PRACTICAL TREATMENT

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. For eyes, call a physician. Remove and wash contaminated clothing before re-use. If swallowed, drink promptly a large quantity of milk, egg whites, gelatin solution or, if these are not available, drink large quantities of water. Avoid alcohol. Call a physician immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

PRECAUTIONARY STATEMENT:

Hazard to humans and domestic animals: Corrosive. Causes eye and skin damage. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Environmental hazards: Treated effluent should not be discharged where it will drain into lakes, streams, ponds, or public water.

MANUFACTURED FOR
THOMSON RESEARCH ASSOCIATES
53 SHAW STREET, TORONTO
ONTARIO, CANADA, M6J 2W3

Net Contents:

U.S. Gallons

STORAGE & DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal or cleaning of equipment.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law.

If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

METAL CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

PLASTIC CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

GENERAL
CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.

E.P.A. Est. 34310-R1-01

THOMSON RESEARCH ASSOCIATES

53 Shaw Street, Toronto, Ontario M6J 2W3
Tel: (416) 366-8954 Telex: 06-22053

ULTRA-FRESH DM-50CCD

Bacteriostatic - Fungistatic Liquid Ready to Use for Commercial Application

TECHNICAL DATA SHEET

E.P.A. Registration No. 10466-34

E.P.A. Est. No. 34310-R1-01

PRODUCT DESCRIPTION

ULTRA-FRESH DM-50CCD is a colourless liquid used for rendering fabrics and water-based emulsions resistant to attack by microorganisms.

PHYSICAL PROPERTIES

Boiling Point - 100°C
Freezing Point - 0°C
Specific Gravity - 1.00 at 20°C
Solubility - miscible in water

BIOLOGICAL ACTIVITY

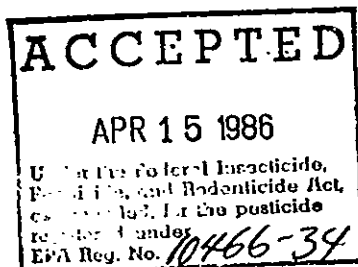
The following table lists the minimum concentrations of ULTRA-FRESH DM-50CCD, dispersed in aqueous media, required to inhibit the growth of various microorganisms in test tube cultures. This table is intended to provide an indication of the broad spectrum activity of ULTRA-FRESH DM-50CCD in aqueous solution and is neither intended as a claim for recommended use concentrations under practical conditions, nor as a list of microorganisms involved in specific end-use conditions.

Bacteria

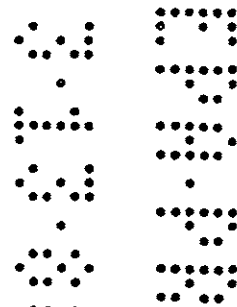
Minimum Concentration (ppm)
Required for Complete Inhibition
of Growth

A. Gram Positive

Bacillus cereus
Bacillus licheniformis
Bacillus megaterium
Bacillus mycoides
Bacillus subtilis
Brevibacterium ammoniagenes
Clostridium oroticum
Corrynebacterium hofmannii
Sarcina lutea
Staphylococcus aureus
Staphylococcus coagulase +



625
625
2312
312
1625
500
9375
250
625
125
2062



Trade Marks
Marques Déposées



Minimum Concentration (ppm)
Required for Complete Inhibition
of Growth

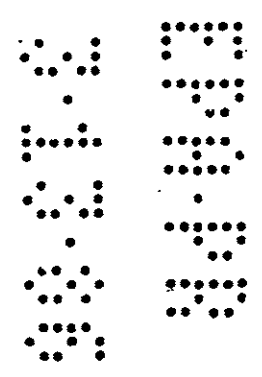
B. Gram Negative

Azotobacter vinelandii	17200
Escherichia coli	20875
Enterobacter aerogenes	45125
Enterobacter cloacae	41000
Klebsiella pneumoniae	1500
Acinetobacter calcoaceticus	312
Proteus mirabilis	2250
Morganella morganii	1625
Pseudomonas aeruginosa	12500
Pseudomonas fluorescens	62
Rhizobium leguminosarum	15625
Salmonella schottmuelleri	38750
Salmonella typhimurium	1875

Fungi

Aspergillus fumigatus	1812
Aspergillus niger	2312
Aureobasidium pullulans	1937
Candida albicans	62
Chaetomium globosum	62
Curvularia geniculata	562
Epidermophyton floccosum	62
Perenniporia fraxinophila	1875
Lenzites trabea	1687
Mucor sp.	2000
Penicillium chrysogenum	250
Penicillium notatum	375
Penicillium variable	1812
Poria monticola (placenta)	1250
Rhizopus sp.	437.5
Schizophyllum commune	1750
Stachybotrys atra	1937.5
Streptoverticillium reticulum	1750
Trichophyton mentagrophytes	1312
Trichophyton rubrum	62

ACCEPTED
APR 15 1986
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended for the pesticide
registration and
EPA Reg. No. 10466-34



APPLICATION PROCEDURE

- 1/ Add One gallon of ULTRA-FRESH DM-50 CCD to portable sprayer followed by three(3) gallons of tap water. Mix thoroughly and adjust spraying so that one gallon of this mixture will treat 300 square feet of textile (Carpet) surface.
- 2/ Spray evenly over carpet
- 3/ Using pile brush or similar, brush in ULTRAFRESH DM-50CCD ending up brushing in one direction for appearance of pile. Employ aluminium foil under furniture legs until carpet is dry.
- 4/ Thoroughly rinse sprayer after use.
- 5/ May be applied to carpet backing and pad.

TOXICITY OF ULTRA-FRESH DM50CCD

A. Rat Oral Toxicity

The Rat Oral MLD and LD₅₀ was found to be in excess of 10.0 g/kg of body weight, with no mortalities occurring at this dose level.

B. Rabbit Dermal Toxicity

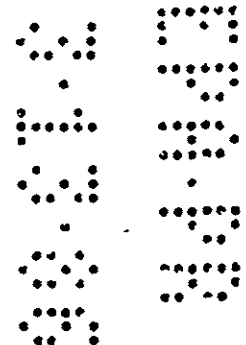
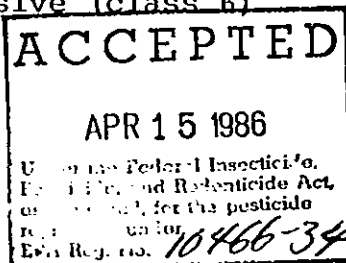
LD₅₀ was found to be in excess of 2.0 g/Kg of body weight, with no mortalities occurring at this dose level. Further testing was suspended, as ULTRA-FRESH DM50CCD appears to be less than toxic by dermal exposure.

C. Primary Skin Irritation Study

Primary Irritation Score + S.C. : 7.86 + 0.34

D. Primary Eye Irritation Evaluation

Extremely irritant and corrosive (class 6)



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STATEMENT OF PRACTICAL TREATMENT

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NOTE TO PHYSICIAN

Probable mucosal damage contraindicates the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

NOTICE

The technical information and suggestions for use made herein are based on TRA's research and experience and are believed to be reliable, but such information and suggestions do not constitute a warranty, and no patent liability can be assumed. Since TRA has no control over the conditions under which this product is transported, stored, handled, used or applied, it is TRA's intent that its liability on any basis be limited to the price of the product used.

ACCEPTED

APR 15 1986

U.S. Environmental Protection Agency
 Federal Insecticide, Fungicide, and Rodenticide Act
 as amended, for the pesticide
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