

MAY 11 1995

Calgon Corporation
P.O. Box 1346
Pittsburgh, PA 15230

Stanley C. Oslosky
Regulatory Specialist II

Subject: Metasol DGH
EPA Registration No. 10445-103
Amendment Dated July 1st, 1994 and
Submission Dated February 7, 1995

The amendment referred to above submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended to revise your basic product formulation and product label is acceptable.

The revised updated Confidential Statement of Formula (CSF) dated June 30, 1994 is in compliance with PR Notice 91-2, agrees with the revised label's ingredient statement, and is acceptable. However, for our records please submit an updated CSF and fill in block 15 and enter the purpose in formulation of each component listed.

The submitted product chemistry data (MRID No.s 43317601, 43317602, 43476101) includes data for Guideline Reference No. series 61, 62, and 63 and is in compliance with 40 CFR part 158.155 through 158.190 and it satisfies the product chemistry data requirements. The agency notes that data for Guideline Reference No.s 63-17 (Storage and Stability), and 63-20 (Corrosion Characteristics) are in progress and will be submitted when available.

Revise your product labeling in accordance with the following instructions:

a. Change the statement "Do not get in eyes or on clothing." to read "Do not get in eyes, on skin or on clothing."

b. Revise your "If Swallowed" statement to read "Drink promptly a large quantity of water. Avoid alcohol. Call a physician immediately."
~~CONCURRENCES~~

SYMBOL							
SURNAME							
DATE							

A stamped copy of the label is enclosed for your records.

Submit five (5) copies of your final printed labeling before you release the product for shipment.

If this condition is not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Sincerely yours,

A handwritten signature in dark ink, appearing to read 'M. Johnson', is written over the typed name.

Marion Johnson
Product Manager 31
Antimicrobial Programs Branch
Registration Division (7505C)

FRONT PANEL
CALGON CORPORATION

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METASOL DGH

ACTIVE INGREDIENT:

DODECYLGUANIDINE HYDROCHLORIDE 35%

INERT INGREDIENTS: 65%

ACCEPTED TOTAL 100%

with COMMENTS
in EPA Letter Dated:

MAY 11 1995

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, the pesticide
is registered under EPA Reg. No.
10445-103

KEEP OUT OF REACH OF CHILDREN

DANGER

SEE SIDE PANEL FOR PRECAUTIONARY STATEMENTS

EPA REGISTRATION NO. 10445-103

EPA ESTABLISHMENT NO. ☐ 10445-PA-01 ☐ 10445-CA-01
 ☐ 10445-TX-01 ☐ 55621-NC-01

MANUFACTURING AND END-USE PRODUCT FOR REDUCTION OF GROWTH OF ALGAE, BACTERIA, AND MOLLUSKS IN COMMERCIAL AND INDUSTRIAL COOLING WATER SYSTEMS AND SEWAGE LAGOONS; FOR CONTROL OF MICROORGANISMS SUCH AS BACTERIA, FUNGI, AND YEASTS WHICH CAUSE DETERIORATION OF PAPER AND PAPERBOARD PRODUCTS; FOR CONTROL OF SLIME-FORMING BACTERIA AND FUNGI IN AIR WASHER SYSTEMS AND BREWERY PASTEURIZERS; FOR CONTROL OF BACTERIA AND FUNGI IN PULP AND PAPER MILL PROCESSING CHEMICALS, ADHESIVES AND COATINGS, AND IN PULP AND PAPER MILL SYSTEMS; FOR AUXILIARY AND STANDBY COOLING WATER SYSTEMS, FOR CONTROL OF ALGAE, BACTERIA, AND FUNGI IN OIL RECOVERY DRILLING FLUIDS AND OIL FIELD WATER SYSTEMS AND AS A BACTERIOSTAT IN DISPOSABLE DIAPERS. EFFECTIVELY INHIBITS THE GROWTH OF MICROORGANISMS IN AQUEOUS SYSTEMS SUCH AS PASTE AND ADHESIVE SYSTEMS, POLYMER AND LATEX EMULSION SYSTEMS, PIGMENTED SLURRIES AND COATING SLURRIES, TITANIUM DIOXIDE, AND CALCIUM CARBONATE SYSTEMS.

STATEMENTS OF PRACTICAL TREATMENT

IF IN EYES: HOLD EYELIDS OPEN AND FLUSH WITH A STEADY, GENTLE STREAM OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER. GET MEDICAL ATTENTION.

IF SWALLOWED: DRINK PROMPTLY A LARGE QUANTITY OF 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.

Side Panel

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

CORROSIVE

CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN IRRITATION

Do not get in eyes or on clothing.

Harmful if swallowed.

Wear goggles, face shield or safety glasses and chemical resistant gloves when handling. Wash thoroughly with soap and water after handling and before eating, toileting, or smoking.

Remove and wash clothing before reuse. Launder clothing separately from household articles. Replace gloves frequently. Any clothing which has been drenched or heavily contaminated and used gloves must be disposed of in accordance with State or local regulations.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

ENVIRONMENTAL HAZARD

This product is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans 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.

Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet for the product. For additional information regarding incidents involving human and environmental exposure, call Calgon Corporation, Health & Environmental Affairs at 412-777-8000.

NOTICE: SELLER EXPRESSLY WARRANTS THAT THE PRODUCT CONFORMS TO ITS CHEMICAL DESCRIPTION. THERE ARE NO WARRANTIES ASSOCIATED WITH THE SALE OF THIS PRODUCT EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OF MERCHANTABILITY.

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CALGON CORPORATION
P.O. BOX 1346
PITTSBURGH, PA 15230

ACCEPTED
with COMMENTS
In EPA Letter Dated:
MAY 11 1995
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended for the Institute
registered under EPA Reg. No.
10445-103

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

SEWAGE DISPOSAL LAGOONS

Dilute Metasol DGH with water to accommodate the delivery characteristics of the pump and spray rig, and apply evenly to the surface of the lagoon. Dosage should be 1.0 to 1.5 ounces (by weight) of Metasol DGH per 100 square feet of surface, depending on the population density of the algal blooms. The interval between treatments will be determined by the reappearance of floating algal blooms and subsequent treatments should be made as spot treatments at the small dosage used in the initial treatment.

FOOD PACKAGING

For paper and paperboard intended for use in contact with food, the rate of application of this product must be adjusted so that the amount of active ingredient (dodecylguanidine hydrochloride) retained does not exceed 0.4 percent by weight of the paper or paperboard.

This product is effective in controlling microorganisms, such as bacteria, fungi, and yeasts which cause deterioration of paper and paperboard products or articles molded from paper pulp. It may be added to the pulp stock in the beater or applied to the formed sheet by size press or roll coater, or as a uniform spray. If the product is used as a beater additive, the degree of retention of the active ingredient will depend upon the nature of the other additives in the system. Technical service is available from the manufacturer of this product to assist customers in making the proper and most efficient use of the product.

NOTE: Not for use in adhesives or coatings that contact food.

DISPOSABLE DIAPERS

Apply in a manner to provide residues of dodecylguanidine hydrochloride within range of 0.075% to 0.20% by weight of the treated material.

AIR WASHER SYSTEMS

For use only in industrial air washing systems that maintain effective mist eliminating components. Badly fouled systems must be cleaned before treatment is begun.

SLUG OR INTERMITTENT METHOD Initial dose: When system is noticeably fouled, apply 6.6 to 13.2 oz/1,000 gal. (50 - 100 ppm). Repeat until control is achieved. Subsequent dose: When control is evident, apply 3.3 to 6.6 oz/1,000 gal. (25 - 50 ppm) every three days or as needed.

CONTINUOUS METHOD Initial Dose: When system is noticeably fouled apply 6.6 to 13.2 oz/1,000 gal. (50 to 100 ppm). Subsequent dose: Maintain initial rate by continuously feeding 3.3 to 6.6 oz/1,000 gal. (25 to 50 ppm) per day.

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Under the Federal Insecticide, Fungicide, and Rodenticide Act
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ACCEPTED
in EPA Letter #103
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SLUG OR INTERMITTENT METHOD Initial dose: When the system is noticeably fouled, apply 6.6 to 13.2 oz/1,000 gal. (50 to 100 ppm). Repeat until control is achieved. Subsequent dose: When control is evident apply 3.3 to 6.6 oz/1,000 gal. (25 to 50 ppm) every three days or as needed to maintain control.

CONTINUOUS METHOD Initial dose: When the system is noticeably fouled, apply 6.6 to 13.2 oz/1,000 gal. (50 to 100 ppm). Subsequent dose: Continuously feed to maintain a dosage of 3.3 to 6.6 oz/1,000 ppm (25 to 50 ppm).

OIL FIELD WATER SYSTEMS

Do not apply in marine and/or estuarine oil field. Badly fouled systems should be cleaned prior to treatment. Addition may be made at the free water knockouts before or after the injection pumps and injection well headers.

WATER TREATMENT (Industrial recirculating cooling water and auxiliary and standby commercial and industrial systems.)

SLUG OR INTERMITTENT METHOD Initial dose: Apply 6.6 to 13.2 oz/1,000 gal. (50 to 100 ppm) intermittently for 2 to 8 hours per day once per week or daily as needed. Repeat until control is achieved. Subsequent dose: When control is established, apply 3.3 to 6.6 oz/1,000 gal. (25 to 50 ppm) every 3 days or as needed to maintain control.

CONTINUOUS METHOD Initial dose: When the system is noticeably fouled, apply 6.6 to 13.2 oz/1,000 gal. (50 to 100 ppm). Continue until control is achieved. Subsequent dose: Continuously feed to maintain a dosage of 3.3 to 6.6 oz/1,000 ppm (25 to 50 ppm).

OIL RECOVERY DRILLING FLUIDS

Do not apply in marine or estuarine oil fields.

Additive incorporation. Add directly to the packer fluid or drilling mud. The dosage rate will depend upon the severity of the contamination.

PRESERVATION OF PULP AND PAPER MILL PROCESSING CHEMICALS, ADHESIVES, AND COATINGS

Add directly to the material to be preserved prior to manufacturing into the finished product, i.e., pulp, broke, polymers, defoamers, alum, emulsions, adhesives, paper mill coatings, pigment slurries, and paper products. The dosage rate will depend upon the material to be preserved and the storage time. The usual addition should be 10 to 30 ppm. Under extreme conditions of spoilage, the dosage rate should be increased to 12.5 to 80 ppm. The above recommendations are based on a maximum storage time for 2 weeks. For storage time greater than 2 weeks, the maximum concentration should be increased to 50 to 1,000 ppm.

PULP AND PAPER MILL SYSTEMS

0.007 - 0.1 lbs./ton pulp or paper produced (3.7 - 50 ppm active).

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with comments
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LIQUID CONCENTRATE

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Description

Metasol DGH Microbiocide is a preservative which effectively inhibits the growth of microorganisms in aqueous systems such as pastes and adhesive systems, polymers and latex emulsion systems, pigmented slurries and coating systems, titanium dioxide and calcium carbonate systems.

Typical Use Levels

Laboratory testing shows Metasol DGH to be effective in the range of 0.0025 to 0.1% (25 to 1,000 ppm). The exact amount for the preservative of any given formulation will depend on the components, storage time, temperature, etc., and can best be determined by actual testing based on formula weight.

STORAGE AND DISPOSAL

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

Pesticide Disposal - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, 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.

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 incineration, or if allowed by state and local authorities, by burning, if burned, stay out of smoke.

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