D-50-2

NOT REVIEWED

In Accordance with TR Notice 82-2.
Based on Draft Labeling Dated

ACTIVE INGREDIENT:	
Potassium dimethyldithiocarbamate	
INERT INGREDIENTS 50.0%	
This product contains 5.2 lb. of active ingredient per gallon and weighs 10.7 lb. per gallon.	

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC AN!MALS

DANGER: Corrosive, Causes eye and skin damage. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Avoid contamination of food. Wear goggles or face shield and rubber gloves when handling. Wash thoroughly after handling.

STATEMENT OF PRACTICAL TREATMENT: In case of skin contact, wash with plenty of soap and water. Remove contaminated Jothing and wash before reuse. If product gets in the eyes, flush immediately with copious amounts of clean, cool water for at least 15 minutes. Get medical attention immediately. If product is swallowed, promptly drink 1 or 2 glasses of water. Contact a physician or Poison Control Center immediately. DO NOT INDUCE VOMITING.

flote to physician: Probable mucosal damage may contraindicate gastric lavage.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not apply in marine and/or estuarine oil fields. Do not discharge effluent containing this active ingredient into takes, streams, ponds, estuaries, oceans, or public waters unless this product is specifically identified and addressed in an NPDES permit. 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.

BUCKMAN LABORA 1256 NORTH HeL MEMPHIS, TN 38	EAN BOULEVARD
EPA REG. NO. 1448-203	EPA EST. NO.

It is a violation of Federal law	to use	this	product i	n a	manner	i
consistent with its labeling.			•	-		•

consistent with its labeling.
D-50-2 is used in industrial and/or commercial recirculation
D=50-2 is used in industrial and/or commercial recirculating continuity tower systems and industrial air-washing systems to control microbiological string
Prior to the use of <u>D-50-2</u> in industrial and/or commerc
recirculating cooking tower systems, systems should be cleaned to remove algal growt
microbiological slime, and other deposits. Then make an initial slug addition of 2.0
3.0 II. or, of D-50-2 per 1000 gal. of water to provide
3.0 II. cr. of D-50-2 per 1000 gal. of water to provide to 10 ppm of D-50-2 based on total weight
of water in the system. Repeat mittal dosage until control is evalent. Make subsequent str
addition of 1.0 to 3.0 fl. oz. of $D-50-2$ per 10 gal of water (10 to 30 ppm $D-50-2$ levery 2 ic
gal of water (_10
days or as needed. The frequency of addition depends upon the relative amount
bloedoff and the severity of the microbiological problem. Slug additions should be made
the sump of recirculating cooling tower systems,
<u>D-50-2</u> is used in industrial air-washing systems which
maintain effective mist-eliminating components. Prior to its use, systems should
cloaned to remove bacterial slime and other deposits. An initial slug dose of 4.
6.0 II. oz. of D-50-2 per 1000 gal. of water is recormended. Repeat initial dosage until control is evident. Subsequent slug additions
mended, respect initial dosage until control is evident, bubsequent stug additions (
water should be employed every 1 to 5 days, or as needed. The frequency of addition
depends upon the relative amount of bleedoff and severity of the bacterial problem. Sk
additions may be made to the sump or the water collection trays of the sirwash system
<u>D-50-2</u> is used to control sulfate-reducing bacteria petroleum secondary-recovery waterflooding operations. In systems fouled will
microbiological deposite D=50~2 should be added as a sh
microbiological deposits, $\frac{D-50-2}{8}$ should be added as a shouse to provide a concentration of $\frac{8}{8}$ to $\frac{16}{16}$ ppm ($\frac{0.83}{1.66}$ to $\frac{1.66}{1.66}$
oz of D-50-2 per 1000 gal, of water treated). This should
oz. of $D-50-2$ per 1000 gal, of water treated). This should followed by a continuous addition of $D-50-2$ employing chemical-metering pump to maintain a concentration of 8 ppm, based on to
chemical-metering pump to maintain a concentration of8 ppm, based on to
weight of water treated. Both slug additions and continuous addition
D-50-2 should be made at the heater-tree dump, gathering lines, or receiving tanks. Addition should always be made upstream
the filter.
is also used to inhibit the growth of fungi ar
bacteria in water-based drilling muds, completion fluids, packer fluids, and other
based drilling fluids containing starch, gume, sugars, or other organic materials. Fo 🥏 🛪
purposes $\underline{D=50-2}$ is added at rates of $\underline{2.5}$ to $\underline{4.2}$ gal per 100 barrels of fluid $\underline{1.06}$ to $\underline{0.12}$ by volume).
gal per 100 barrels of fluid (_Q,Q6 to _Q,1% by volume).

STORAGE AND DISPOSAL

Do not contempte water, food, or food by according to depend

STORAGE: Do not expose to extreme temperatures. Do not stack more than four grown high, Leaking or dome drawn should be placed in everyoch drawn for disposal. Spills should be absorbed in sendant or earld and depe of in a sentery tenuitd. Reep contemps closed when not in use.

PESTICIDE DISPOSAL: Posticide measure are acutely hazaldous, brigapper disposal of excess posticide, operative, or invade in a violetien of Federal Law. If these wester control he disposed of by use according to label in attractions, contact your State Posticide or Emisdrational Control Agency, or the Heardous Wester representative your EPA Regional Office for guidance.

CONTAINER DISPOSAL:

- PLASTIC: Triple rines for equivalent). Then offer for recycling or reconditioning, or purcours and depose of a convery bridge, by incorporation, or, if allowed by state and local authorises, by burning. If burned, easy our emotio.
- (2) METAL: Triple stree for equivalent). Then offer for recycling or reconstructing, or purcture and dispuse of earthury lendfd, or by other procedures approved by state and facial authorities.

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NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with 1.2 Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally respective in adolptions with FIFPA section 3(c)(T)(A) provided that you:

- 1. Substitution all data is sufficient in that the restrict restrict that ion of your product under FIFRA section $\beta(c)(0)$ when the Agency requires all registrant of similar products to submit such data.
- 1. Also the phrase "DPA Registration No. 144% [63" or your label before you release the product for shipment.
- 3. Submit five (5) copies of your final printed limiting before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.
- If these conditions are 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.

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

John H. Kll

(Product Manager (31)

Antimicrobial Program Number Registration Division (TS-767C)

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Enclosures

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

EPA Form 6570-4 (Rev. 5-76) PREVIOUS EDITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED. 52374: I: DeLaney: LL-11: KENCO: 12/05/88: 01/19/88: DD

ACCEPTED
with COMMENTS
in EPA Letter Dated:

D-50-2

DEC 2 0 1988

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Potassium dimethyldithiocarbamate

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This product contains 5.2 | Ib. of active ingredient per gallon and weighs 10.4 | Ib. per gallon.

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••••	Manufactured by: BUCKMAN LARORATORIES, INC.
••••	1256 NORTH MCLEAN BOULEVARD MEMPHIS, TN 38108
EPA REG. NO	EPA EST. NO.
	NET CONTENTS

UIKECTIONS FO

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consistent with its labeling.	
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conling tower systems and industrial:	er-washung sy
Prior to the use of	
recirculating cooling tower systems,	
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3.0 II. oz. of	-50-2
of water in the system. Repeat initial (torane vetil s
addition of 1.0 to 3.0 ff.	or of
gal of water (10 to 30 (nom D-50-
days or as needed. The frequency	of addition of
bloedoff and the severity of the micro	
the sump of recirculating cooling toy	
D-50-2	is used in
maintain effective mist eliminating	components.
cleaned to remove bacterial slime an	d Other depos
6.0 fl. oz. of <u>D-50-2</u> mended. Repeat initial dosage until	
to _6_0 fl. oz. of	control # • D=50=2
water should be employed every 1 (o 5 days or
depends upon the relative amount of	
additions may be made to the sump	
D=50=2 petroleum secondary-recovery wat microbiological deposits, D=50=2	er!looding o
microbiological deposits, $\frac{D-50-2}{100}$	
dose to provide a concentration of _	to
oz. of $D-50-2$ followed by a continuous addition	per 100
chemical-metering pump to maintair	oro
weight of water treated. Both	alug addit
D-50-2	
D-50-2 dump, gathering lines, or receiving t	anks. Additio
the filter.	
D-50-2	is also L
bacteria in water-based drilling mud:	i, completion
based drilling fluids containing starch	, gums, suga
purposes <u>D=50~2</u> gal per 100 barrels of fluid (_Q_06_	in ac
gal per 100 barrels of fluid (_Q_D6_	_ to <u>Q.1%</u> _

STORAGE AND I

Do not contentionale mater, feed, or feed by eterage or depose STORAGE: Do not expeed to extraine temperatures. Do not expeed drums that the placed in everyock drums for deposed. Spile of or a sententy toration. Keep contents closed when not or use. PESTICIDE DISPOSAL: Protecte weeks are southly hands materia, or invate in a violence of Federal Law. If these weeks tructions, contact your State Protecte or Emiritarizational Contentions. EPA Regional Office for guidance.

CONTAINER DISPOSAL:

- D PLASTIC: Triple (trip) for equivalent). Then offer for recyclin entery brieffl, by bearwarden, or, if allowed by pure and ornabe.
- O METAL: Triple stem for equivalent). Then offer for recycling emiliary familia, or by other procedures experied by each