D-50-1

Contribute with FR Notice 82-2. based on Draft Labeling Dated

ACTIVE INGREDIENT:
Potassium dimethyldithiocarbamate
NERT INGREDIENTS
This product contains 5.2 lb. of active ingredient per gallon and weighs 10.4 lb. per gallon.
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weight id. par gallon.

DANGER

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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 clothing 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.

Note 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 lakes, 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 sewe systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Manufac EU <u>CŔMAÑ-</u> LABGRAĵ	
1256 NORTH Mell	EAN BOULEVARD
MEMPHIS, TN 381	108
EPA REG. NO. <u>1448-202</u>	EPA EST. NO.
NET CONTENTS	

It is a violation of Federal law to use this product in a manner in
consistent with its labeling.
COMMIT TO WAY SYSTEMS AND INDUSTRAL AIT-WASHING SYSTEMS TO CONTROL MICHARINAL AIR SIGN.
Prior to the use of $\frac{D-50-1}{}$ in industrial and/or commerc recirculating choling tower systems, systems should be cleaned to remove algal growt.
recirculating choling tower systems, systems should be cleaned to remove algal growt.
microbiological shore, and other denosits. Then make an initial ship addution of $(2,0)$
3.0 II. oz. of D-50-1 per 1000 gal. of water to provide
3.0 II. oz. of D-50-1 per 1000 gal. of water to provide to 100 ppm of D-50-1 based on total weight
Ol Waler in the system. Heneal initial nosage unit control is evident. Make subsequent sk
addition of 1.0 to 3.0 ft. pt. of D-50-1 per 10
addition of 1.0 to 3.0 fl. oz. of D-50-1 per 10 gal of water (.10 to 30 ppm D-50-1) every 2 to
days or as needed. The frequency of addition depends upon the relative amor it
bloedoff and the severity of the microbiological problem. Slug additions should be made
the sump of recirculating cooling tower systems.
D-50-1 is used in industrial air-washing systems jubi
maintain effective mist-eliminating components. Prior to its use, systems sho
cleaned to remove bacterial slime and other deposits. An initial slug dose of $\frac{4 \cdot i}{2}$
6.0 II. oz. of D-50-1 per 1000 gal. of water is reco
mended, Repeat initial dosage until control is evident. Subsequent slug additions
_3.5 to _6.0 ft. oz. of per 1000 gallons
water should be employed every 1 to 5 days, or as needed. The frequency of additi-
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 airwash system
D-50-1 is used to control sulfate-reducing bacteria
$\frac{D-50-1}{\text{petroleum secondary-recovery waterflooding operations. In systems fouled with microbiological deposits, } \frac{D-50-1}{D-50-1} = \frac{8-16}{16-16} = \frac{16-16}{16-16}$
microbiological deposits, D-50-1 should be added as a st
dose to provide a concentration of8 to16 ppm (0.83 to _1.66
pz. ofper 1000 gal, of water treated). This should
per 1000 gal, of water treated). This should followed by a continuous addition of $\frac{D-50-1}{D-50-1}$ employing chemical-metering pump to maintain a concentration of $\frac{8}{100}$ ppm, based on to
chemical-metering pump to maintain a concentration of 8 ppm, based on to
weight of water treated. Both slug additions and continuous addition
D=50=1 should be made at the heater-treatiump, gathering lines, or receiving tanks. Addition should always be made upstream
the filter.
D-50-1 is also used to inhibit a growth of funging
bacteria in water-based drilling muds, completion fluids, packer fluids, and other
based drilling fluids containing starch, gume, sugars, or other organic materials. For the
purposes
gal per 100 barrels of fluid (_Q_06_ to <u>Q_1Z_</u> by volume).
CTORACE AND DICROCAL

STORAGE AND DISPOSAL

Do not continue to water, food, or food by storage or deposed

STORAGE: Do not expose to extreme temperatures. Do not stack many their four drying high, Leaking or dome drying should be placed in everyoch drying for deposed. Spills should be placed in sevidual or send and deposed in a servicey tendfill. Resp contemp closed when hat in use,

PESTICIDE DISPOSAL: Posticide insette are activity harabdous, brigarges disposal of excess posticide, as menture, as remains as a violation of Fodoral Line. If shase insette convert be disposed of by use according to take structures, contact your State Posticide or Embigramental Contact Agency, or the Hazardous Waste representative your EPA Regional Office for guidence.

CONTAINER DISPOSAL:

- PLASTIC: Trade then for equivalent!. Then offer for recycling or reconditioning, or purchase and dispose of servinry landfill, by Incorrection, or, if allowed by ease and local authorities, by burning. If burned, easy our areals.
- E) METAL: Triple rince for equivalent). Then offer for recycling or reconstituting, or purcture and dispose of 2 centery lended, or by other precedures coproved by sees and total 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 berewith.

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 the 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 a fittent'by require the first description $s(\mathbf{c}) \in \mathcal{D}(s)$ about it is that f(s)

- 1. Submitted to the partial equipment along as returned as a constitution of graph and under PIP 1. Follow 3(c)(5) which the limitary logarity will reduce to submit such data.
- 2. Add the phrase "IPA Registration No. 1448-202" to your label before you release the product for shipment.
- 3. Submit five (i) copies of your final printed labeling before you release the product for shipment. Pefer to the A-79 enclosure for a further description of tital trinted labeling.
- It these condition are not complied with, the redistration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the project constitutes acceptance of these conditions.

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

Product Manager (31)

Antimicrobial Program Branch

Registration Division (TS-767C)

Enclosures

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE

EPA Fem 6378-4 (Rev. 5-76)
52375: I: DeLaney: LL-11: KENCO: 12/05/88: 01/19/89: DD: VO: DD

ACCEPTED with COMMENTS in EPA Letter Dated: D=50-1 DEC 20 1988 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. ACTIVE INGREDIENT: Potassium dimethyldithiocarbamate This product contains 5.2 b. of active ingredient per gallon and weighs 10.4 b. per gallon. KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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 clothing 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.

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

DIRECTIONS FOR

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based drilling fluids containing starch, gume, sugars
purposes <u>D-50-1</u> in add gal per 100 barrels of fluid I_Q_06_ to <u>0.17</u>
gal per 100 trarrels of fluid I_Q_D6_ to <u>Q_17</u> _

STORAGE AND D

STORAGE Do not expect to extreme temperatures. Do not steel drume than it be placed in everyook drume for depend. Spills sha of in a sentery terrifid. Keep container cleans when not in use. PESTICIDE DISPOSAL: Particula meson are equity hereided mature, or intents it a violation of Federal Law. If these mesons is structure, contact your Steep Pesticula or Embarchanial Canada particulars, contact your Steep Pesticulars.

CONTAINER DISPOSAL:

D PLASTIC: Trepts stops for experienced. Then offer for recycling a contemp landfill, by incremedian, in, if allowed by seets and for exceller.

D METAL: Triple drup for equivalents, Thus either by seryeling a certainy landfill, or by other processings appropriately assessed.