INDUSTRIAL MICROBICIDE

ACTIVE INGREDIENTS

Methylene his(thincyanate)

2 (Thiocyanomethy)thio)benzothiazole

INERT INGREDIENTS

25%

2 5% 95 0%

This product weighs 7.99 pounds per gallon

KEEP OUT OF REACH OF CHILDREN DANGER

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive, causes irreversible eye damage and causes skin damage. Harmful or fatal if swallowed or absorbed through the skin. This product is a potential skin sensitizer. Workmen handling this product or treated material should wear impervious gloves, goggles or face shield, and protective clothing. All protective clothing, work shoes or boots, and equipment must be left at the work site at the end of the day. Eating, drinking, or smoking during use of this product is prohibited.

FIRST AID: In case of skin contact, wash promptly and thoroughly with soap and water and finally with glycerin. If product gets in the eyes, flush immediately with copious amounts of clean, cool water for 15 to 30 minutes. Get medical attention immediately. If product is swallowed, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not apply directly to water or wetlands. Permits may be required for discharges containing this pesticide into lakes, streams, ponds, or public water. For guidance, contact the regional office of the Environmental Protection Agency.

PHYSICAL AND CHEMICAL HAZARDS: Do not expose to extreme temperatures,

STORAGE & DISPOSAL

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

STORAGE: Do not expose to extreme temperatures. Do not stack more than five drums high. Drums should be opened in well-ventilated areas. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sabitary landfill, keep container closed when not in use.

PESTICIDE DISPOSAL: Pesticide westes are acutely hazardous. Improper disposal of excess pesticide, spley mixitige, or maste 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 your EPA Regional Office for guidance.

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

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling
COOLING TOWERS: M-5-2 is used to protect cooling towe
wood against soft or surface rot and internal or dry rot, It is applied by spraying or painting a dispersion containing 2.0 to 2.8% $M=5-2$ in water onto the clean wood surfaces. The amount applied should provide 2.4 to 3.2 b $M=5-2$ personnel or pers
faces. The amount applied should provide 2.4 to 3.2 lb <u>M-5-2</u> per
1000 ft? of world surface. Soft or surface rot can also be inhibited by periodic shock doses of
water and the bleedulf should be stopped for 4 to 6 hr after treatment. The shock treatment should be
repeated every four months.
COOLING WATER: N=5-2 is used to control elgae, becterle,
and fungl in industrial recirculating cooling water systems. Before treatment is begun, the system
should be cleaned thoroughly to remove old algal growth, microbiological slime, and other deposits. The
system should then be drained, flushed, refilled with water, and treated with an initial dose of 2.4 to 444
fl nz N=5-2 per 1000 gal water in the system. Subsequent add
of 0 ft to 4 ft ft or per 1000 gal should be made every 1 to 5 days, depending on amount of bleedolf and
severity of microhiological fouling
DRILLING FLUIDS to inhibit becterial and fungal degradation of the fluids or muds used in the drilling of wells, $N=5-2$ is incorporated in the drilling fluid at con
centrations of 0.2 to 1.0% based on the total wet weight of the fluid
PFTROLEUM SECONDARY RECOVERY: N-5-2 is used to
control sulfate-raducing bacteria, slime-forming bacteria and fungl in oil field water, polymer, o micellar floods, water-disposal systems, and other oil-field water systems at dosage rates of 15 6 to 52 (If or of
made continuously or intermittently by meens of a metering pump at the free water knockouts, before o
after injection pumps and injection well headers. Continuous Feed Method: When system is noticeable found, add 15.6 to 52.0 ft or $\frac{N-5-2}{N-5-2}$ per 1000 gal of water con
tinuously until desired degree of control is achieved. Then treat with 15 8 to 52.0 ft or
M-5-2 per 1000 get of water continuously, or as needed to maintain
control. Intermittent or Slug Method: When system is noticeably fouled, or to meintain control, add 15.6 to 52.0 ft or $\frac{M-5-2}{m}$ per 1000 gall of water for 4 to 8 hr per day
and 1 to 4 times per week, or as needed to maintain control.
CRUDE AND REFINED OILS: M-5-2 is an oil soluble preser
vative for the control of bacteria and funglithat cause the degradation of crude oil and refined fuel oils during storage. It should be added to the oil as it is being transferred from the shipping container to the storage tank at the rate of 2.4 to 24.0 ft or $\frac{N-5-2}{2}$ per 1000 gal c
Addition should be made hatchwise where mixing occurs or continuously to the suction side of
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Lead to the Later
Land Old Description of the Control
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	Mar	nufactured by:	
	BUCKMAN LABOR		
		LEAN BOULEVARD	
	MEMPHIS, TN 3	8108	
PA REG. NO.	1448-172	EPA EST. NO	
	· · · ·		

NET CONTENTS

NCTE: 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 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 proceed is conditionally reductive in accordance with High section $\mathfrak{z}(\mathfrak{c})(7)(\Delta)$ is a termity cu. 1. Junityrite all data required for recruits from religiotic from 65 year reduct ancer aligh section 3(c)(5) when the means requires all registration or similar growets to submit such data. 1. Add the phrase "EPA Registration do. 1446-172" to your label before you release the product for shipment. 3. Submit five (5) copies of your rinal printed labeling 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. //Product Manager (31) Antimicrobial Program branch Registration Division (TS-767C)

Enclosures

SIGNATURE OF APPROVING OFFICIAL DATE	ATTACHMENT IS APPLICABLE	
	SIGNATURE OF APPROVING OFFICIAL	DATE

EPA Form 8570-6 (Rev. 5-76)

PREVIOUS FOITION MAY BE USED UNTIL SUPPLY IS EXHAUSTED.

60801:I:DeLaney:LL-7:KENCO:12/5/88:1/19/89:rw:vo:rw

M-5-2

INDUSTRIAL MICROBICIDE

ACTIVE INGREDIENTS:

Methylene his/thiocyar.atml

2 (Thiocyanomethylthiolhanzothiazola

INERT INGREDIENTS

25% 25% 95.0%

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ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish. Do not apply directly to water or wetlands. Permits may be required for discharges containing this pesticide into lakes, streams, ponds, or public water. For guidance, contact the regional office of the Environmen-Protection Agency.

PHYSICAL AND CHEMICAL HAZARDS: Do not expose to extreme temperatures

STORAGE & DISPOSAL

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STORAGE: Do not expose to extreme temperatures. Do not stack more than five drums high. Drums should be opened in well-ventilated areas. Leaking or damaged drums should be placed in overpack dryms for disposel. Spills should be absorbed in sawdust or sand and disposed of in a sanitary langfill. Keep container closed when not in use.

PESTICIDE DISPOSAL: Pesticide existes are ecutely hazardous, Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot he disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at your EPA Regional Office for guidance.

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

DIRECTIONS FOR USE

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- Wood against solt	or surface rot and intern	tal or dou tot. It is applied by an	aying or painting a di
containing 2.0 to 2	ич. <u>М-5-</u> 2	in we	iler onto the clean wi
faces. The amount	applied should provide	2.4 to 3.2 lb <u>M-5-2</u>	
1000 fi? of wood	surface. Soft or surfa	ce rot can also be inhibited	by perioriic shock d
<u>M-5-2</u>		to the recirculating cooling wa	Her at the lower hasin
well. The dosage s	hould provide 5.0 lb of	<u>M-5-2</u>	per 100
water and the bleer	foll should be stopped:	for 4 to 6 hr after treatment, Ti	he shock treatment sh
repealed every four			
COOLING WATER	1· \4_5_2	becu ei is used	to control algoe, be
and fungl in indu:	strial recirculating cook	ng water systems. Before trea	tment is begun, the
should be cleaned the	haraughly to remove ok	falgal growth, microbiological s	lime, and other depos
system should then	he drained, flushed, ref	ified with water, and treated wi	th an initial dose of 2.4
florr	1-5-2	per 1000 gal water in the	lystem. Subsequent a
of 0 8 to 4 8 ft az pi	r 1000 gal should be m	ade every 1 to 5 days, dependi	ng on amount of bleed
severity of microbio			
DRILLING FLUIDS	: To inhibit becteriel	and fungal degradation of t	he fluide or mude use
drilling of wells,	<u>M-5-2</u>	is incorporat	ed in the drilling fluid
centrations of 0.2 to	0 1.0% based on the to	Hal wel weight of the fluid.	
PETROLEUM SEC	CONDARY RECOVER	v: <u>M-5-2</u>	ie
control sulfate-rec	Jucing bacterie, slime	-forming bacterie and fungi	in oil-field water, pol-
micellar floods, wat	er-disposal systems, an	d other oil-field water systems :	it dosage retes of 15.0
"01 01	1-5-2	per 1000 gal of wate	r treated. Additions sl
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M-1	5-2	per 1000 gel of water continuo	1.55 OF B.CI IIIIW
control. Intermitte	nt or Slug Method: V	Then system is noticeably fouls	d or to maintain conf
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CRUDE AND REI	FINED OILS: M-5-	·2	eldulae-lla ne el
valive for the contr	of of bacteris and fun	al that cause the degradation of	crude oil and relined
during etorene. It at	while the artifact to the a	il an is is bains transformed form	aka ahinaina anasa:
storage tank at the r	ate of 2.4 to 24.0 ft oz _	M-5-2F	per 1000 a
wadings about be	made hatchwise when	e wixing accous as compunditi	dy to the suction side
transfer pump,			CCEPTED
			COMMENTS
		in EPA	A Letter Dated:
		DEC	20 1988
		525	
		Under the	Federal Insecticide
L		Funcicide s	und Rodenticide Act
		- empeded,	and Rodenticide Act a
	BUCPWAN LABOR	nulactured by: registered	under EPA Keg. No
	DUCKMAN LABOR	ATORIES, INC.	/498-178
		LEAN POULEVARD	• · •
}	MEMPHIS, TN 3	8108	
I EPA REG. NO.		EPA EST. NO	

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