UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

JUN 17 2004

The Dow Chemical Company 171 River Road Piscataway, N. J. 08854

Attention: Maureen Miksztal

Senior Regulatory Specialist

Subject: UCARCIDE SB 130 Antimicrobial

EPA Registration No. 464-718 Letter Dated March 18, 2004

The amendment, submitted in connection with registration under the FIFRA sec. 3(c)(7)(A), to modify the storage and handling section of the label, to update the identifying statement, and text revision in the direction for use to correct dosing for density of glutaraldehyde, to add paper, metal working and additional water treatment claims. In addition to the label amendment, a 12 month storage stability study, flammability study and oxidation/reduction study, is acceptable, provided that you:

- 1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec.3(c)(5) and sec. 4 when the Agency requires all registrants of similar products to submit such data.
 - 2. Submit two (2) copies of final printed labeling before you release the product for shipment.

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

A stamped copy of the accepted labeling is enclosed for your records.

General Comments

The submitted data packages (Physical and Chemical Characteristics and Storage Stability and Corrosion Characteristics) under MRID #462318-01 was found to be acceptable to support the above product registration.

CONCURRENCES									
SYMBOL	X								
SURNAME	X		**********			************		1	
DATE		***********							
EPA Form 1320-1A (1/90)			Printed on Remyled Paner				OFFICIAL FILE COPY		

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The submitted data packages (Flammability) under MRID #462318-02 was found to be acceptable to support the above registration.

The submitted data packages (Oxidation/Reduction) under MRID #4623180-03 was found to be acceptable to support the above registration.

A copy of the Product Chemistry Science Review is enclosed for your information.

If you have any questions concerning this letter, please contact Martha Terry at (703) 308-6217.

Sincerely

Marshall Swindell

Product Manager (33)

Regulatory Management Branch 1 Antimerobials Division (7510C)

Enclosures

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER

Cornosve. Causes inteversible eye damage. Causes skin burns. Harmful if inhaled. May be active skin statio fixedlowed. Harmful if authored through skin. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

Causes asthmatic skins and symptoms in hyper-reactive individuals.

Alon oft get in eyes, on skin, no dobling.

Avoid brealing vapor. Do not swellow. Wear googles, protective chining, and burly or nitrie gloves.

Wash protoughly with soap and weath either handling.

Henrove containing and cubing and west before reuse. KEEP OUT OF REACH OF CHILDREN

ENVIRONMENTAL HAZARDS

This pesticide is lour to list. Do not decharge effuent containing bis product not bises, streams, product access to other waters uncess in accordance with the insulaments of a halloone Polution of Scargos Environments Ordered (HPDES) permit and the permitting suchorly has been notified in writing processor to decharge. Do not decharge afficient containing the product to series persistent without previously recognitions are presented to the public or product of series persistent without previously recognitions of the EPA.

STORAGE AND HANDLING

"CARCIDETA SB 130 Antimicrobial is incompatible with many commonly used materials of construction such as sales, galaximated into, abuniom, first, and size. LUCARIDETA SB 130 Antimicrobial can be excurated handled in balled phrenicle lend selet, boyethytes, stairless steel, or reinforced epocyplastic ecuationer. Rich short short strongly, length in about 1 month), lengtherates or up, to 100°F (37 B°C) can be received the profession manufacture is about 80°F (26, 27°C).

Coer the container of UCARODETM SB 130 Antimicrobal in a well vertitised area. When opering a container of a confined space where vertainers in its obsquare, use a MSWANDCR approved all contraining regarder of expression equipped with in operior carriege, since any numed product in the original containing and ensure the local file for container is respected.

LIMITED WARRANTY AND DISCLAIMER

Seet warmths that the product contients to its chemical description as contained on this label and is easonaby it for the purposes stated on this label when used in accordance with describing the mornal accordance of use. The WARPANTHES MADE in HIP SPACET TO THE PRODUCT AND ARE MADE EXPRESSY IN LIED OF AND EACLUDE ANY IMPLIED WARPANTHES OF MERCHANTHAULTY OR OF PRINCESS FOR A SPACE ANY IMPLIED WARPANTHES OF MERCHANTHAULTY OR OF PRINCESS FOR A SPACE ANY IMPLIED WARPANTHES OF MERCHANTHAULTY OR OF PRINCESS AND ALL OTHER EXPRESS ON IMPLIED REPRESENTATIONS AND ALFARACTION.

BEFORE USING THIS PRODUCT, SEE YOUR EMPLOYER AND READ THE MATERIAL SAFETY DATA SHEET.

STORAGE AND DISPOSAL

ESTICIDE DISPOSAL: Do not contain the water, food or lead by storage or disposal. Open dumping a survivolant. Pestode wasses are tour. Imprope objected desposal disposal or results as a vector or feederal fair. If here westers cannot be disposal of by use according to label necessaries, contain on waste survivolated and improvemental Control Agency, or the Nazardous Wasses successaries not was the nearest En-A regional Office Programmer. Trippe may or desposal of the Programmer of the Nazardous Wasses accessaries not the nearest En-A regional Office Programmer. Trippe may or equivalent. The may be the opposal of the programmer. Trippe may or equivalent. The may be the opposable as a comparable of the state of the procedure access and others to the procedure and other state of the other state of the procedure and other states of the other states of the other states and the states and the other states are considerated by the other states of the states and the states and the other states are considerated by the states and the states and the states and the states and the states are considerated by the states and the states are considerated by the states and the states are considerated by the states are considerated by the states and the states are considerated by the states and the states are considerated by the states are considered to the states and the states are considered to the states are considered to the states and the states are considered to the states and the states are considered to the states are co

INOTICE
Lo lect Ship or Store
with Food, Feeds, Drugs,
or Clothing

in EPA Letter Dated: ACCEPTED with COMMENTS

JEN 17 204

Under the Pederal Insecticide, Pungicide, and Rodanticide Act as enventhed, for the posticide, regionary dual and a EPA Neg. No. 464 - 7/8オッナ

SB 130 **JCARCIDE**

A MICHOBIOCIDE FOR USE IN CONTROLLING BAL—"ERA INCLUDING SULFATE-REDUCING BACTERIA, BELLE-FORMING BACTERIA, FUNGI (YEAST AND KACLOS) AND ALGGE IN OIL WELL DRILLING, OIL FELD PROCESSING APPLICATIONS, OIL FIELD WATER: \$75TEMS, GAS PRODUCTION, AND TRANSINGSOON PIPELLING SAND SYSTEMS, AND GAS STORAGE FFEE_5S AND EQUIPMENT SUCH AS, STEAM-HALECTION WATER HOLDING TANKS, INLECTION WATER HOLDING SYSTEMS, INSPOSAL WATER, WATER HOLDING SYSTEMS, INSPOSAL TANKS, BALLAST TANKS, FILE—"STORAGE TANKS AND FRANSHERS AND FROMING SYSTEMS AND AN WASHERS AND FRANSHERS AND FREGROLLATING COCUING WATER SYSTEMS. FACULDING WASTEWATER SYSTEMS MCLUDING WASTEWATER SYSTEMS MCLUDING WASTEWATER SYSTEMS. FOR PAPER AND PAPERBOARD, WATER BASED "CATHERS, FORMENTS AND FIR WASTERS FOR PAPER AND PAPERBOARD AND THE WASTEWATER. SHEWINTS AND FIR WASTERS FOR PAPER AND FAPERBOARD AND IN WAITH BASED "CATHERS FOR PAPER AND FAPERBOARD AND IN WANNIFACTURERS AS A PRESERVATIVE IN INDUST—"ALL INSTITUTIONAL, AND CONSUMER PROCESSES AND PRODUCTS.

30%	%02	100%
		THE PERSON NAMED OF TAXABLE PARTIES.
Glutaraldehyde-		
Active Ingredient: Glutaraldehyde	inert ingredients:	Total

KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AUD

Call a poison control center or a doctor immediately for ineatment. ICPCED ON NOT INDUCE VOMITING.

Do not give anything to durik.

Wash immediately and continuously with flowing water for at leases. It immediately and continuously with flowing water for the second lenges after the first 5 manutes and continue wassing

Obtain prompt medical consultation, preferably from an ophthasminaces.

Take off containmeted dofting.

Rinse skin immediately with plenty of water for 15-20 minutes.

Call a poison control carter or a doctor for treatment advice.

Move person to fresh air.

If person is not breashing, call 911 or an ambulance, and then close a Call a poison control center or a doctor for further treatment abunum

the use of gastric lavage. Have the MSDS and, if available, the product container ביי בייבי ייבי אייבר אייבר אייבר האוואס מסחזיסן center or a doctor, or going for treatment.

SEE SIDE PANEL FOR ADDITIONAL, PRECAUTIONARY STATEMENTS.

EPA Reg. No. 464-718 EPA Est. No. 71441-0H-001

"Trademark of THE DC" → ⊕いこと COMPANY THE DOW CHEMICAL, COMPLYY Midland, Michigan 4867 - ... 3.7. 1-800-258-CHEM

Made in USA (03/04) PE0304 METHER END ADDODROMANONS STANK PURSULANDENS SERVICE SERVICE HAZAFDCLASS SHIPPING CONTAINER SIZE NET WEIGHT SCALLONS **1**2 Net Contents: 25 lbs.

IN CASE OF AN EMERGENCY endangering life : ביביבה השהבה ל CASE OF AN EMERGENCY endangering life : ביביבה השהבה השהם ל S96-4400.

DIRECTIONS FOR USE

t is a violation of Pederal law to use this product in a manner inconsistent with its labeling.

JCARCIDETM SB 130 Antimicrobial should be added to a water flood system at a point of

parallel Teathwest: When the system is nonceably containwated, and 167 to 833 point UCARDICELES (30 Americada) for the system (139 to 69 T bs. UCARDICETM SB 130 Vertical Desirements (and water). Repeat unit control is state-est. Subsequent Dose: When marchael control is envierd, and 33 to 8 332 point UCARDICETM SB 130 Vertical Desirements (0.28 to 65 To EUCARDICETM SB 130 Antimorbae (0.28 to

DRILLING, COMPLETION, FRACTURING AND WORKOVER FLUIDS
UCARCIDER. SI 130 ventioned alone to be accest to a chierg have system at a point of
uniform neural such as the createring mod lank.

Initial Twenwart: Add St to 1.666 pcm UCARCIDETM SB 130 Animocobal (29 to 88.5 bs. UCARCIDETM SB 130 Animocobal pc 100 barrels of water) to a freshy propared fund UCARCIDETM SB 130 Animocobal pc 100 formation. Maintenance Desego: Manual a concentration of 81 to 1.666 pcm UCARCIDETM SB 130 Animocobal pw 100 barrels of additional fluid, or as needed, depending on the severy of construction.

PACKER FLUIDS
UCARDICK 88 130 Ammended should be added to a packer fluid at a point of undown ucay auch as a consistent hoders task. Add 88 to 684 ppin UCARCIDE* 88 130 Ammended 129 to 85 to UCARCIDE* Bit 88 130 Ammended in 100 barriers or weart to be also apply progred fluid depending on the seventy of contamination. Seat the treated packet fluid in the wall between the classify and production tube.

GAS PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

UCARCIDETE SE 130 Arminostrate insolute in a data production of insensions populare as in 30 Arminostrate insolute in a data production of insensions propele in a direct independent in a sprinciple in the production of the UCARCIDETE SE 130 Arminostrat inhough in a enter infering insultion of interpretation of the UCARCIDETE SE 130 Arminostration in a capacity in a majoritation as the inferior of suspend the UCARCIDETE SE 130 Arminostration in the UCARCIDETE SE 130 Arminostration i

Individual injection wells studied be inserted with a sufficient quarty of ULCARCIDE** BS 130. Advancedas in produce a concentration of 80 to 8,300 per UCARCIDE** BS 130. Advancedas in produce a concentration to 8,300 per UCARCIDE** BS 130. Advancedas when distinct by the water present in the borization injection should be 130 to 140 per produce of the water present in the borization should be 130 to 140 per produce of the water present in the borization should be 130 to 140 per produce of the present which improve a borization should be 130 to 140 per produce a processation of 320 to 1300 per UCARCIDE** BS 130 per manner of 130 to 140 per produce a processation of 320 to 150 per UCARCIDE** BS 130 per produce a processation of 320 to 140 per produce a per

HYDROTESTING

Water used to hydroest preferes or vessels stoold consan 166 to 6,640 prin UCARCIDETM SB. 130 Ammondal (1,8 to 68 to UCARCIDETM SB. 130 Ammondal per 1,000 galoors water), depending or water quality and length of time the equations wateriar rate.

PIPELINE PIGGING AND SCRAPING OPERATIONS

Add UCARCIPET MS 31 30 Administration is a bad of water mentablety indexing the scrape indexing by Safficient UCARCIDET WS 130 Administration by sold be added to produce a concentration of 0.16 to 146 (1.36 to 15.35 to UCARCIDET WS 110 Administration in 100 administration of 0.16 to 146 (1.36 to 15.35 to UCARCIDET WS 110 Administration in 100 administration of 0.16 to 14.35 to 15.35 to UCARCIDET WS 110 Administration in 100 administration of 0.16 to 14.35 to 15.35 to 15.

This product may be used only in industrial air washers and air washer systems which have AIR WASHERS AND RECIRCULATING COOLING WATER SYSTEMS

mes/elementario Comprovers. a point to a existe treatment system at a point of uniform mixing such as the basin area. Addition may be made infermittently (SLUG DOSE) or continuouse. Bearly fueld systems can be stock indeed with Uniform tall of the continuouse. I solarly handle systems can be stock indeed with Uniform Stock Stock or continuouse. Under these conditions to knock mixing the discoversable for up to 2 in our terminations.

INTERMITTENT (SLUG DOSE) METHOD

Initial Dose: When the system is naticeably louised apply 168 to 333 poin UCARCIDETM SS 170 Antenierobale to the system (14 to 2 8 8s of UCARCIDETM SB 130 Antenierobal per 1,000 palitizes for waster in the system). Repost unit control a subneved:

Subsequent Dose: When microbial control is evident, add 65 to 166 poin UCARC.DETM SB 130 Antimorbal to the system weekly (165 to 14 a pounds of UCARCIDETM 5B 130 Antimorbal per 1,000 galkots of water in the system; of as reeded to maintain control. Bddy bloud systems must be desired before treatment is begun.

CONTINUOUS FEED METHOD

Initial Date: When the system is noticeably fould, apply 168 to 333 ppm UCARCIDETM SB 130 Antimicrobal per 1,000 galants of water in the system (1.4 to 2.8 trs, of UCARCIDETM SB 130 Antimicrobal per 1,000 galants of water in the system of Marinan this treatment level by starting a confinuous leed of 13 to 166 ppm UCARCIDETM SB 130 Antimicrobal per 1,000 gallons of water in the system) 840ty foulded systems must be deaned before treatment is begun

SERVICE WATER AND AUXILIARY SYSTEMS

UCARCIDETM SB 130 Animicrobal should be used at the same application rates, and in the same application rates, and in the same manner as obscribed the besched to the system at a point that will allow for uniton mixing throughout the system.

HEAT TRANSFER S Evaporative Condensers, Dairy Swand Pasteurzers and Warmers and UCARCIDETM SB 130 Antemproble the same marrier as described ab uniform mixing such as a basin are which the treated water will be circui-

INDUSTRIAL WASTE

UCARCIDETM SB 130 Antimicrobial

a convenient point of uniform mixin 3.750 ppm UCARCIDETM SB 130 A galions of wastewater or studge. PAPER MILLS AND PAPER I UCARCIDE1M SB 130 Antimorobal of uniform many such as the beater. Initial Dose: When the system is UCARCIDETM SB 130 Antencrobasi Repeat unti control is achieved. Her

Instituert. Subsequent Dose: When microbal SB 130 Antimicrobal per fon of put mantain control.

PIGMENTS AND FILLER SLU
Use from 0.17 to 1.0 ts. of UCAPCIDI
to produce a concentration from 166 to
mixed stury.

WATER BASED COATINGS FO

NOTE: For use in non-food contact or

Use from 0.166 to 1.0 fbs. of UCA! powder to produce a concentration solids) in the mixed slurty.

AQUEOUS METALWO

UCARCIDETM SB 130 Animicrobial is point of uniform meing such as talementently (SLUG DOSE) at interval. Initial Dose: When the system is not SB 130 Animorobial per 10,000 galls control is achieved.

Subsequent Dose: When microbial o SB 130 Antimicrobal per 10,000 galic needed to maintain control. Badiy for

WATER BASED CON! (Brewey, Juca, Day, Beverage, and

Avoid contamination of food in a

Thoroughly clean all tracks and con automatic feed system as recomme to 0.83 fixs (50 to 300 ppm active) or gallons of diluted tubincant.

GENERAL PRESERVA

UCARCIDET¹⁴ SB 130 Animicrobial is products and systems, including industry obtacks, to control the growth of UCARCIDET¹⁴ SB 130 Animicrobial to besed on the wester content of the Animicrobial ppe 1,000 bp. water conte

PRESERVATIVE FOR

For use in concentrates where et UCARCIDETM SB 130 Avaimionable! re end-use product will contain 0.033% to

At no time during the preservation Antimicrobial exceed 2.0%.

REVERSE OSMOSIS A For effective preservation of reverse or membrane manufacturer), immerse UCARCIDETMSB 130 Aritmicrobial.

preservation of installed outside services to the service of the s UCARCIDETM SB 130 Antimicrobial

CONCRETE ADMIXTUR

For effective preservation of concrete as the product formulation at a rate of 3.33 (3.33 to 13.33 lbs. UCARCIDE IN SB Mix uniformly