11/18/2010

WINDOWN TED STATES

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

NOV 1 8 2010

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

The Dow Chemical Company 1803 Building Midland, MI 48674

Attention: Rhonda Vance-Moeser Sr. Regulatory Specialist

Subject: Notification – Glutex GQ1 Sanitizer and Disinfectant EPA Reg. No. 464-700 Notification Letter Dated October 15, 2010

This will acknowledge receipt of your notification for the aforementioned product label, submitted under the provisions of Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 3° (9), Based on a review of the submitted material, the following apply:

- Separate the use Oil and Gas Production and Transmission Pipelines and Systems into the following:
 - o Oil Production and Transmission Pipeline and Systems
 - o Gas Production and Transmission Pipelines and Systems
- Addition of the statement, "Product not registered for this use in the State of California for the oil use."

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been made a part of your file.

If you have any questions concerning this letter, please contact Abigail Downs at (703) 305-5259.

Sincerely,

Marshall Swinde

Product Manager (33) / Regulatory Management Branch I Antimicrobials Division (7510CP

lease read instructions o	n reverse before com	'ng form.	Form		MB No. 2070	D-0060 Print Form 20f	
Conited States Environmental Protection Washington, DC 204					Registrati Amendme Other		
		Application f	or Pesticide -	Section			
Company/Product Num 464-700)6f		2. EPA Produce Marshall Sw			3. Proposed Classification	
Company/Product (Narr he Dow Chemical Co	e) npany/ GLUTEX™ GQ	1 Sanitizer & Disin	f 33			None Restricted	
Name and Address of A The Dow Chemical Co 1803 Building Midland, MI 48674		de)	(b)(i), my pro to:	duct is sim	ilar or identica	e with FIFRA Section 3(c)(3) I in composition and labeling	
	·		Section - II				
X Notification - Expla X Notification - Expla X Planation: Use addit	onal page(s) if necessar	γ. (For section I ar ion and Transmiss	nd Section II.)		Now.	g: 1) Oil Production and atement "Product not	
gistered for this use i Material This Product V	n the State of CA to oi Vill Be Packaged In:	·	ter for Notification	Statement.		· · · · · · · · · · · · · · · · · · ·	
hild-Resistant Packeging	Unit Packaging	w	Water Soluble Packaging 2. Typ			ype of Container	
Yes* No			Yes No			Metal Plastic Glass	
Certification must a submitted	lf "Yes" Unit Packaging wgt.			a, per ntainer		Paper Other (Specify)	
Location of Net Conten	s Information Container	4. Size(s) Retail C	ontainer	5. Lo	cation of Label Directions On Label On Labeling accompanying product		
Manner in Which Label	is Affixed to Product	Lithograph Paper glued Stenciled		Other		······································	
		S	ection - IV				
Contact Point (Comple	te items directly below i	for identification of	individual to be cont	acted, if nec	essary, to proc	ess this application. Loco	
Nøme Rhonda Vance-Moeser			I Cr. Dogulotom, Canoninlist			alephone No. (IncludasArea Code) 089)ເຮສຽລາງ884 ໂດຍເຊັ	
	tements I have made or any knowingly false or r ie law.		ttachments thereto i				
. <u>sign</u> eture Rlauda U	3. Ti Sr. F	3. Title Sr. Regulatory Specialist					
. Typed Name Rhonda Vance-Moeser	-	5. D	ete Oct. 15,	20/0	0		

EPA Form 8570-1 (Rev. 8-94) Previous editions are obsolete.

3095

.......

сı

Enclosures

L L L L D L

The Dow Chemical Company Midland, MI 48674 U.S.A.

October 15, 2010

Overnight Mail

Office of Pesticide Programs (7504P) Document Processing Desk (NOTIF) U. S. Environmental Protection Agency One Potomac Yard, Room S-4900 2777 S. Crystal Drive Arlington, Virginia 22202-4501

RE: NOTIFICATION - GLUTEX[™] GQ1 Sanitizer and Disinfectant - EPA Reg. No. 464-700

The Dow Chemical Company (Dow) hereby submits a Notification to modify the label for GLUTEX GQ1 Sanitizer and Disinfectant. Specific changes we are requesting are the following:

- Separate the use Oil and Gas Production and Transmission Pipelines and Systems into the following: Oil Production and Transmission Pipelines and Systems Gas Production and Transmission Pipelines and Systems
- 2) Add the statement "Product not registered for this use in the State of California" for the oil use.

In order for the application to be processed the required Notification statement is included below. "This Notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject enforcement action and penalties under section 12 and 14 of FIFRA"

Enclosed are the following documents to support this notification

1) Completed application for Pesticide Registration, Form 8570-1

2) Required notification statement above.

3) One copy of the label with changes highlighted in yellow and two copies of final printed label.

Please contact me if you have any questions or need additional information.

Sincerely. Rhanda Vaure- Marin

Rhonda Vance-Moeser, Sr. Regulatory Specialist 1790 Building, Office 226 Midland, MI 48667 Phone: (989) 636-1884 E-mail: <u>rgvmoeser@dow.com</u>

DIRECTIONS FOR USE

HIGHLIGHT COPY

KEEP OUT OF REACH OF CHILDRF DANGER PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS DANGER

Corrosive. Causes irreversible eye damage. Causes skin rritation. Harmful if inhaled. Harmful if swallowed. Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Causes asthmatic signs and symptoms in hyperreactive individuals.

Do not get in eyes, on skin, on clothing. Avoid breathing vapor. Do not swallow. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, ovsters and shrimp. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, ocean or other waters unless in accordance with the requirements of a National Pollular Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Personal Protective Equipment

Applicators and other handlers must wear: goggles or face shield, long -sleeve shirt long pants, shoes, socks, chemical-resistant gloves (such as butyl rubber) and chemica resistant apron

User Safety Require

Follow manufacturer's instructions for cleaning & maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

User Safety Recommenda

rs must wash hands before eating, drinking, chewing gurn, or using the toilet. Use Cares must was ments before sating, unrung, unwing gum, of Using the follow. User must remove doiting immediately i pesticide gets inside. Then wash throughly and put on dean dothing. Users must remove PPE Immediately after handling and before sating, drinking, chewing gum, using tobacco, or using the toilet. Wash the outside of glove before removing. As soon as possible, wash thoroughly and change into clean clothing.

STORAGE AND HANDLING

GLUTEX GQ1 Sanitizer and Disinfectant is incompatible with many commonly use materials of construction such as steel, galvanized iron, aluminum, tir zinc. GLUTEX GQ1 Sanitizer and Disinfectant can be stored and handled in bake phenolic-lined steel, polyethylene, stainless steel, or reinforced epoxy-plastic equipment. This product freezes at about 27 * F (-3* C). Therefore, unless the storage tank is inside or underground, heating and insulation may be required. If heating is needed, exposure to high temperatures should be avoided. For short storage times (up to about 1 month), temperatures of up to 100° F (37.8° C) can be tolerated but the preferred maximum storage temperature is about 80° F (26.7° C).

A stainless steel centrifuoal pump is suggested for transfer service. Spiral-wour tainless steel with TEFLON® Polymer is suitable for gaskets and packing.

Handle in a well-ventilated area. If vapors are irritating to the nose or eyes, specia ventilation or respiratory protection (MSHA/NIOSH approved air purifying respirato

equipped with an organic vapor cartridge) may be required. The product in its undituted form must not be used in a spray, fogging or aeroso application.

STORAGE AND DISPOSAL

PESTICIDE DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal o excess pesticide, spray mixture or rinsate is a violation of Federal law. If these waste: 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 neares EPA Regional Office for guidance.

CONTAINER DISPOSAL

Option to use for labels on nonrefillable rigid containers of all sizes.

Nonrefiliable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling or econditioning, or puncture and dispose of in a sanitary landfill, or by other procedure: approved by state and local authorities.

Option to use for labels on refillable rigid tote containers

Refillable container. Refill this container with pesticide only. Do not reuse this contain for any other purpose. Cleaning of the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility o the refiller. To clean container before final disposal, empty contents into application equipment and triple rinse. Pour or pump rinsate into application equipment or rinsate collection system. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

It is a violation of Federal Law to use this product in a manner inconsistent with Active Ingredient: Glutaraldehyde -14.0% AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/RECIRCULATING COOLING AND PROCESS V AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/RECIRCULATING COOLING AND PROCESS V This product may be used only in Industrial at washers and air washer systems which have mist-terminating compore GLUTEX GQ1 Samitzer and Disinfectant should be added at the application rates described below to a water treatm of uniform mixing such as the basin area. Addition may be made intermittently (SLUG DOSE) or continuously. Badly treated with GLUTEX GQ1 Samitzer and Disinfectant. Under these conditions, blowdown should be discontinued for GLUTEX GQ1 Samitzer and Disinfectant can be used in industrial process water systems that contain uither filteratio comosis membranes (where approved for compatibility by the membrane manufacturer) and associated distribution sy INTERMITTENT (SLUG DOSE) METHOD Alkyl (C14 50%, C12 40%, C16 10%) dimethyl benzyl ammonium chloride 2.5% Inert Ingredients: 83.5% INTERNATTENT (SLUG DOSE) METHOD Initial Dose: When the system is noticeably fouled, apply 4.2 to 8.5 fluid ounces of GLUTEX GQ1 Sanitizer and Dis in the system. Repeat until control is achieved. Subsequent Dose: When microbial control is evident, add 1.7 to 4.2 fluid ounces of GLUTEX GQ1 Sanitizer ani water in the system weekly or as needed to maintain control. Bady fould systems must be cleared before treatment is begun. 100.0% Total: Initial Dose: When the system is noticeably fouled, apply 4.2 to 8.5 fluid ounces of GLUTEX GQ1 Sanitizer and Dis **FIRST AID** in the system system. sequent Dose: Maintain this treatment level by starting a continuous feed of 0.8 to 4.2 fluid ounces of GLUTE. (F · If the person is fully alert and cooperative, have per 100 gallons of water in the system per day. Badly fouled systems must be cleaned before treatment is begun. the person rinse mouth with plenty of water. Have SWALLOWED the patient drink 4 to 10 ounces (120-300 mL) of SERVICE WATER AND AUXILIARY SYSTEMS water or milk. GLUTEX GQ1 Sanitizer and Disinfectant should be used at the same application rates, and in the same manner as added to the system at a point that will allow for uniform mixing throughout the system. Do not induce vomiting. Do not attempt mouth rinse if the person has respiratory distress, altered HEAT TRANSFER SYSTEMS mental status, or nausea and vomiting. Incars inconserses, Dairy Sweetwater Systems, Hydrostatic Sterilizers And Retorts, And Pasteurizers And Wi (EUTEX GQ1 Sanitizer and Disinfectant should be used at the same application rates, and in the same manner as added to the system at a point of uniform mixing such as a basin area, sump area, or other reservoir or collecting a will be diructated uniform) throughout the system. Call a physician and/or transport to emergency facility immediately. See Note to Physician. IF IN EYES (Wastewater Systems, Wastewater Studge And Wastewater Holding Tanks) GUTEX GOT Sanitizer and Dishfectant should be added to a wastewater system or studge at a convenient pol digester, Add 200 to 975 fuld ounces (1.6 to 7.6 galons) (1.600 to 7.600 ppm product) of GLUTEX GOT Sanitizer and D of wastewater or studge. INDUSTRIAL WASTEWATER SYSTEMS

GLUTEX™ GQ1 Sanitizer and Disinfecta

· Wash immediately and continuously with flowing water for at least 30 minutes Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist Call a poison control center or a doctor immediately for treatment advice. Take off contaminated clothing. IF ON SKIN Rinse skin immediately with plenty of water for 15-OR 20 minutes. CLOTHING Call a poison control center or a doctor for treatmen advice IF INHALED Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouthto-mouth if nossible Call a poison control center or a doctor for further reatment advice.

HOT LINE NUMBER

IN CASE OF AN EMERGENCY endangering life or property involving this product, call collect (989)636-4400. Have product container or labe with you when calling a poison control center or doctor or going for treatment

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable nucosal damage may contraindicate the use of gastric lavage.

> E.P.A. Registration No. 464-700 P.A. Est. XXXX-XX-X

DRILLING, COMPLETION, AND WORKOVER FLUIDS GLUTEX GG1 Sanitizer and Disinfectant should be added to a drilling fluid system at a point of uniform mixing such Initial Treatment: Add 150 to 3.000 ppm GLUTEX GG1 Sanitizer and Disinfectant (0.6 to 12.2 gallons GLUTEX G 100 barrets of fluid) to a treshy prepared fluid depending on the severity of contamination. Maintenance Dosage: Maintain a concentration of 150 to 3.000 ppm GLUTEX GG1 Sanitizer and Disinfectant GLUTEX GG1 Sanitizer and Disinfectant per 100 barrets of additional fluid, or as needed, depending on the severity PACKER FLUIDS

FRAC FLUIDS

Not registered f GLUTEX GQ1 S

PACKER FLUIDS GLUTEX GO1 Sanitizer and Disinfectant should be added to a packer fluid at a point of uniform mixing such as a circula 1,800 ppm GLUTEX GQ1 Sanitizer and Disinfectant (0.6 to 7.3 gallons GLUTEX GQ1 Sanitizer and Disinfectant p prepared fluid depending on the sevenity of contamination. Seal the treated packer fluid in the wall between the casing

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS GLUTEX GC1 Sanitizer and Disinfectant should be added to the paper making system at a point of uniform mixing pump, saw-ail lark, or white-water tank. Initial Dass: When the system is notdcabby contaminated, add 1.5 to 9.0 lbs of [R1][/R1] per ton or 0.76 to 4.5 Kg of] paper (ny basis) as a stud dose. Repeat until control is achieved. Heavily fouled systems should be belde out prior 1 Subsequent Doss: When mirrobal control is evident, add 0.9 to 6.0 lbs of CUTEX GC1 Sanitizer and Disinfe GLUTEX GC1 Sanitizer and Disinfectant per metric bon of pulp or paper (dry basis) as a stug dose as necessary to

NOTE: For use in non-food contact coatings only. Use from 0.3 to 1.8 lbs. of GLUTEX GQ1 Sanitizer and Disinfectant per 1,000 lbs. of dry powder or 0.3 to 1.8 Kç Disinfectant per metric ton of dry slum to produce a concentration from 300 to 1,800 ppm as product (based on slum

WATER FLOODS GLUTEX GC1 Sanitizer and Disinfectant should be added to a water flood system at a point of uniform mixing. Initial Treatment: When the system is noticeably contaminated, add 300 to 15,000 ppm GLUTEX GC1 Sanitizer a to 14.5 gallons GLUTEX GC1 Sanitizer and Disinfectant per 1,000 gallons flood water). Repeat until control is achie Subsequent Dose: When microbalic control is eviden, add 60 to 15,000 ppm GLUTEX GC1 Sanitizer and GLUTEX GC1 Sanitizer and Disinfectant per 1,000 gallons flood water) to the system weekly, or as needed to maintu

FRAC FLUIDS Not registered for this use in the State of California. GLUTEX GC1 Sanitizer and Disinfectant reduces bactorial contamination and degradation of fracturing fluids (simulations. Add GLUTEX GC1 Sanitizer and Disinfectant to the frac water storage tanks or directly into the well head in to being pumped down-hole. Dose Range: GLUTEX GC1 Sanitizer and Disinfectant to hould be added at a rate of 360 to 17,900 ppm (3.5 - 1 depending on the degree of bacterial fouling in the source water.

WATER BASED COATINGS FOR PAPER AND PAPERBOARD

- OIL PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS Product not regitarrx.f.r.this use in the State of California. GLUTEX GO1 Savitare and Disinfectant should be added to an oil production or transmission line via affect niti conducted to ensure manimum distribution of GLUTEX GO1 Savitare and Disinfectant throughout the entire inter sufficient amount of biocide to detectmeasure a residual concentration in the solvent should not a Jubicine twith an appropriate solvent immediately before use. The concentration in the solvent should not range of 500 to 5,000 ppm based on the volume of water in the pipeline. Injections to the system should be weekly, or

- > OLS PRODUCTIX:'L'TRANSMISSION PIPELINES AND SYSTEMS GLUTEX GQ1 Sanitizer and Disinfectant should be added to an gas production or transmission intervalenter in conducted to ensure maximum and a statution of GLUTEX GQ1 Sanitizer and Disinfectant throughout the entire inter sufficient amount' of bridget of detectmeasure a residual concentration at the back end of the pipeling system. Critica 2 Le 2 reduction in ball.rLi Jounts and/or reduced corrosion rates. To facilitate application, it may back dedicativitate to and Disinfectant with an appropriate solvent immediately before use. The concentration in the solvent should not or group of 500 to 5,000 ppm based on the volume of water in the pipeline. Injections to the system should be weekly, or

GAS STORAGE WILLS. 'UD SYSTEMS Individual injection weaks and be unaded with sufficient quantity of GLUTEX GQ1 Sanitizer and Disinfectant to pr 15,000 ppm GLUTEX GQ1 Sanitizer and Disinfectant when duted by the water present in the formation, linjection individual drips should be treated with sufficient quantity of GLUTEX GQ1 Sanitizer and Disinfectant to pr 15,000 ppm GLUTEX GQ1 Sanitizer and Disinfectant when duted by the water present in the formation, linjection individual drips should be treated with a sufficient quantity of GLUTEX GQ1 Sanitizer and Disinfectant to pr GLUTEX GQ1 Sanitizer and Disinfectant when divided by the water present in the drip. Injections should be repeated yee control.

HYDROTESTING

HTURCUESTING Water used to hydrotest pipelines or vessels should contain 300 to 12,000 ppm GLUTEX GQ1 Sanitizer and GLUTEX GQ1 Sanitizer and Disinfectant per 1,000 gallons water), depending on water quality and length of time th

Produced for: Dow

THE DOW CHEMICAL COMPANY

Midland, Michigan 48674 U.S.A. (989)636-4400

^{® TM} Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow Made in U.S.A.

NET CONTENTS: XXXX gallons NET WT: XXX lb / XXX kg LOT NO:

Notice: Seller warrants that this product conforms to the chemical description on the tabel and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

1].	E.
5		
5		

Sanitizer and Disinfectant

DIRECTIONS FOR USE

- It is a violation of Federal Law to use this product in a manner inconsistent with its labeling It is a violation of Federal Law to use this product in a manner micromissient winn its isoering.
 4.0% AIR WASHERS AND INDUSTRIAL SCRUBBING SYSTEMS/RECIRCULATING COOLING AND PROCESS WATER SYSTEMS
 This product may be used only in industrial air washers and air washer systems which have mist-eliminating components.
 GLUTEX GQ1 Sanitizer and Disinfectant should be added at the application rates described betwork to a water treatment system at a convenient point
 2.5% GLUTEX GQ1 Sanitizer and Disinfectant and beinfectant. Under these conditions, blowdown should be discontinued for up to 24 hours.
 GLUTEX GQ1 Sanitizer and Disinfectant can be used in industrial process water systems that contain ultra filtration units and non-medical reverse
 onsnois membranes (where approved for compatibility by the membrane manufacturer) and associated distribution systems.
 INTERMITTENT (SLUG DOSE) METHOD
 Intel Page: When the system is notionably fauld, apoly 4.2 to 8.5 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant protein to the system is consistent with the system's notionably fauld, apoly 4.2 to 8.5 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant protein the system's notionably fauld, apoly 4.2 to 8.5 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant protein the system's notionably faulting protein protein protein the system's notionably faulting protein pro

IN I ERMITTENT (SLUG DOSE) METHOD Initial Dose: When the system is noticeably fouled, apply 4.2 to 8.5 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per 100 gallons of water in the system. Repeat until control is achieved. Subsequent Dose: When the introbal control is achieved. Subsequent Dose: When the introbal control is evident, add 1.7 to 4.2 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per 100 gallons of water in the system subs to dened before treatment is begun. CONTINUOUS FEED METHOD

Initial Dose: When the system is noticeably fouled, apply 4.2 to 8.5 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per 100 gallons of water

in the system

nt Dose: Maintain this treatment level by starting a continuous feed of 0.8 to 4.2 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant have per 100 gallons of water in the system per day. Badly fouled systems must be cleaned before treatment is begun.

Have L) o

SERVICE WATER AND AUXILIARY SYSTEMS

GUTEX GI Sanitzer and Disinfectant should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point that will allow for uniform mixing throughout the system. outh

tered HEAT TRANSFER SYSTEMS

ency

(Evaporative Condensers, Dairy Sweetwater Systems, Hydrostatic Sterifizers And Retorts, And Pasteurizers And Warmers) GLUTEX GQ1 Sanitizer and Disinfectant should be used at the same application rates, and in the same manner as described above. It should be added to the system at a point of uniform thing such as a basin area, sump area, or other reservoir or collecting area from which the treated wal will be circulated uniformity throughout the system.

wing INDUSTRIAL WASTEWATER SYSTEMS

INDUSTINAL WASTEWATER STOLENS (Wastewater Systems, Wastewater Sludge And Wastewater Holding Tanks) GLUTEX GOT Sanitizer and Distinfectant should be added to a wastewater system or sludge at a convenient point of uniform mixing such as the digester. Add 200 to 975 fluid ounces (1.6 or 7.6 galoms) (1.600 to 7.600 ppm roduct) of GLUTEX GOT Sanitizer and Disinfectant per 1,000 galons iute dical

iatel

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS GLUTEX GQ1 Sanitizer and Disinfectant should be added to the paper making system at a point of uniform mixing such as the beaters, broke chest

PAPER MILLS AND PAPER MILL PROCESS WATER SYSTEMS GUITEX GC1 Sanitzer and Disinfectant should be added to the paper making system at a point of uniform mixing such as the beaters, broke chest pump, saw-ail tank, or white-water tank. Initial Does: When the system is noticeably contaminated, add 1.5 to 9.0 bs of [R1]/R1] per tan or 0.76 to 4.5 Kg of [R1]/R1] per metric tan of pulp or paper (dx) basis) as a stud dose. Repeat until control is achieved. Heavily foulded systems should be boild out prior to initial treatment. Subsequent Dose: When microbial control is evident, add 0.9 to 6.0 bs of CUITEX GC1 Sanitzer and Disinfectant per tan 0.48 to 3.0 Kg of GLUTEX GC1 Sanitzer and Disinfectant per metric ton of pulp or paper (dx) basis) as a slug dose as necessary to maintain control. r 15atme

WATER BASED COATINGS FOR PAPER AND PAPERBOARD

NOTE: For use in non-food contact coatings only. Use from 0.3 to 1.8 lbs. of GLUTEX GQ1 Sanilizer and Disinfactant per 1,000 lbs. of dny powder or 0.3 to 1.8 Kg of GLUTEX GQ1 Sanilizer and Disinfectant per methic ton of dy alumy to produce a concentration from 300 to 1,800 ppm as product (based on slumy solds) in the mixed slumy. ance

WATER FLOODS outh-

WATER FLOUDS GUITEX GOT Sanitizer and Disinfectant should be added to a water flood system at a point of uniform mixing. Initial Treatment: When the system is noliceably contaminated, add 300 to 15.000 ppm GLUTEX GOT Sanitizer and Disinfectant to the system (0.3 to 14.5 gallons GUITEX GOT Sanitizer and Disinfectant per 1000 gallons flood water). Repeat unit control is achieved. Subsequent Does: When microbial control is evident, add 60 to 15,000 ppm GLUTEX GOT Sanitizer and Disinfectant (0.06 to 14.5 gallons GLUTEX GOT Sanitizer and Disinfectant per 1,000 gallons flood water) water water and Disinfectant (0.06 to 14.5 gallons GLUTEX GOT Sanitizer and Disinfectant per 1,000 gallons flood water) on the system weekly or as needed to maintain control. her

FRAC FLUIDS

- FrAC FLODS Not registered for this use in the State of California. GLUTEX GQ1 Sanitzer and Disinfectant reduces bacterial contamination and degradation of fracturing fluids and gels used in oil and gas well stimulations. Add GLUTEX GQ1 Sanitzer and Disinfectant to the frac water storage tanks or directly into the well head hipction pipeline as the water olving r labe ng for
- autreauris not dependent into transferant prantecum de transmission and and a service of the service of the service of the service and the ser ibable

DRILLING, COMPLETION, AND WORKOVER FLUIDS

DRILLING, COMPLETION, AND WORKOVEN FLUDDS GUITEX GC1 Sanitzer and Disinfectant should be added to a drilling fluid system at a point of uniform mixing such as the circulating mud tank. Initial Treatment: Add 150 to 3,000 ppm dil LUTEX GG1 Sanitzer and Disinfectant (0.6 to 12.2 galions GUITEX GG1 Sanitzer and Disinfectant per 100 barrels of htt j) to a treshy prepared fluid uppending on the sevenity of contamination. Maintenance Dosage: Maintain a concentration of 150 to 3,000 ppm GLUTEX GG1 Sanitzer and Disinfectant by adding 0.5 to 12.2 galions of GUITEX GG1 Sanitzer and Disinfectant per 100 barrels of additional fluid, or as needed, depending on the sevenity of contamination. -700

PACKER FLUIDS

PACKER FLOUDS GUTEX GOT Sanitzer and Disinfectant should be added to a packer fluid at a point of uniform mixing such as a circulating holding tank. Add 150 to 1,800 ppm GLUTEX GOT Sanitizer and Disinfectant (06 to 7.3 galons GLUTEX GOT Sanitizer and Disinfectant per 100 barrels of fluid) to a freshly prepared fluid depending on the serverity of contamination. Seal the treated packer fluid in the well between the casing and production tube.

OIL PRODUCTION AND TRANSMISSION PIPELINES AND SYSTEMS

- OIL PRODUCTION AND TRANSMISSION PIPELINES AND 3YS IEMS Product not registeractifentiaties use in the State of California. GLUTEX GOI Sentizer and Disinfectant should be added to an oil production or transmission line via direct injection. The application should be conducted to ensure maximum distribution of GLUTEX GOI Sentizer and Disinfectant throughout the entire internal pipeline surface by adding a sufficient amount of biodife to detectimeasure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will breat execution in bacteriale to detectimeasure a residual concentration at the back end of the pipeline system. Criteria for success of the treatment will breat execution in bacteriale to differ educed composine rates. To facilitate application, it may be destinate to oild be advent should be table back and be solvent should be table back and of and Disinfectant with an appropriate solvent immediately before use. The concentration in the solvent should be back concentration range gl 500 to 5,000 ppm based on the volume of water in the pipeline. Injections to the system should be weekly, or sense bled to grantatin control.

Range of SUU D5.000 ppm based on the volume or water in the pipeline. Injectors to the system should be weekly, or an encoded upmean and volume or water in the pipeline. Injectors to the system should be weekly, or an encoded upmean and volume or water in the pipeline should be weekly, or any recover upmean and volume or water in the pipeline should be weekly, or any recover upmean and volume or water in the pipeline should be and the volume or water in the pipeline should be weekly, or any recover upmean and volume or water in the pipeline should be and the pipeline system. There are an or water in the pipeline should be and the pipeline system. There are a should be and the should be added to any any production or transmission line via there the internet pipeline surfaces by adding a sufficient amount of bigodite detectimesance are residual concentration at the back end of the pipeline system. There are a solution and the added to a state pipeline should be added to any any propriate solve the immediates before use. The concentration in the solven should not fail before and the concentration at the back end of the pipeline system. There are a solve concentration at the back end of the pipeline system. There are a solve concentration at the back end of the pipeline system. There are a solve concentration at the back end of the pipeline system. Charling the G2.2015 SATURES (G2) SAT

CAS STORAGE WELLCALD SYSTEMS CAS STORAGE WELLCALD SYSTEMS Individual injectory wells should be treated with sufficient quartity of GLUTEX GO1 Sanitarr and Disinfectant by node a concentration of 1,500 to 15,000 ppm GLUTEX GQ1 Sanitar and Disinfectant when disinfectant were stream of the formation the treat of the stream of the stream

HYDROTESTING

HYDROJESTING Water used to hydrotest pipelines or vessels should contain 300 to 12,000 ppm GLUTEX GQ1 Sanitizer and Disinfectant (0.3 to 11.8 gallons GLUTEX GQ1 Sanitizer and Disinfectant per 1,000 galons water), depending on water quality and length of time the equipment will remain itile.

DISINFECTING OR SANITIZING NON-FOOD CONTACT SURFACES, FARM, ANIMAL, AND POULTRY HOUSING FACILITIES AND EQUIPMENT 5019

Escherichia coli, (ATCC 11229) Salmonella entarica, (ATCC 10708) Clostridium parhingens, (ATCC 13124) Mycoplasma hyconeumoniae, (ATCC 25934) Slaphytooccus auruus, (ATCC 6538) Salmonella enterica, (ATCC 13076)

Not registered for this use in the State of California. DO NOT USE THIS PRODUCT ON FOOD OR FEED GLUTEX GQ1 Sanitizer and Disinfectant is suitable for use on a wide variety of surfaces including stainless steel, aluminur concrete, plastic, and glazed tile.

Disinfection For disinfection against the following pethogens: Kebstella preuronale. (ATCC 4352) Pasteurella multockia, (ATCC 8747) Campylobacter igluni, (ATCC 8747) Heemophilus paregalinarum, (ATCC 4505) Heemophilus paregalinarum, (ATCC 4502) Pseudomones eeruginose, (ATCC 15302) Pseudomones eeruginose, (ATCC 15422)

For disinfection against the following vinuses: Swine Influenze Virue (H1N1), (ATCCVR-99) Porcine parvovirus, (ATCC VR-742)

Porcine parvoinus, (ALCU VR-142) Avian Infectious Laryngolracheitis Virus, (SPAFAS 547316) Porcine Respiratory Reproductive Syndrome Virus, (Arko Labs, Item Number MS036N04075)

Prepare disinfection solution according to the following procedure:

Disinfection solution preparation:

Disinfection solution preparation; 1. Mix 1 flui downce of GLUTEX GQ1 Sanitizer and Disinfectant per gallon of water (8 mis per liter) to produce a solution containing 0.13% total active ingredients. 2. For application against Porcine parvovirus, mix 2 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per gallon of water (16 mis per liter, a 1.04 diation of the product). 3. Apply by sponge, mon, spray, fogging or immersion depending upon the surface to be disinfected. 4. Allow prepared solution to stand on surface for at least 10 minutes, or until thoroughly dried. 5. Fresh solution should be prepared daily or more often if the solution becomes diluted or solled.

Sanitization For sanitization against the following pathogens: Klebsiella pneumoniae, (ATCC 4352) Staphylococcus aureus, (ATCC 6538) Selmonella cholenasuis, (ATCC 10708) Pseudomonas aeruginosa, (ATCC 15442) For sanitization against the following viruses Infectious bursal disease (Infectious bursal disease, Lukert strain) Avian mitherez, IdNa2 and HSN1), (ATC UR-799) For sanitization against the following furngus: Aspergilus furnigatus, (ATCC 36807) Prepare sanitizing solution according to the following procedure:

Sanitizing solution preparation:

Mix 0.45 to 1.8 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per gallon of water (3.5 to 14.1 millititers per liter) to produce a solution containing 0.06 to 0.24% total active ingredients.
 For application against Portice circovitrus, mix 0.9 to 2.2 fluid ounces of GLUTEX GQ1 Sanitizer and Disinfectant per gallon of water (6.9 to 17.3 millititers per liter) to produce a solution containing 0.12 to 0.293% total active ingredients.
 Apply by sponge, mon, spray, fogging or immersion depending upon the surface to be sanitized.
 Allow to stand for at least for minutes, or umit bichoughy tirded.
 Fresh solution should be prepared daily or more often if the solution becomes diluted or solied.

Treat section is notice to prepare usery or more othern one solution becomes usually of solited.
 Farm Equipment And Animal Housing Buildings
 (Politry's tarkey grow-out houses, laying houses, swhe production and housing, barns and large animal buildings)
 (Politry's tarkey grow-out houses, laying houses, swhe production and housing, barns and large animal buildings)
 (Politry's tarkey grow-out houses, laying houses, swhe production and housing, barns and large animal buildings)
 (Politry's tarkey grow-out houses, laying houses, swhe production and housing, barns and large animal buildings)
 (Politry's tarkey grow-out houses, laying houses, swhe be produbly inseed with politible equipment and empty all feeders and watere must be throughly into level with a public bettergent and inner with watere and the termove all inter animats from thors and other surfaces. Remove gross fith and solid deposits from surfaces prior to treatment. Pre clean surfaces with a sultable detergent and inner with water.
 3. Prepare either disinfectant with water. Refer to solution preparation above.
 4. Using suitable commercially available equipment, salurate all surfaces with the prepared solution. Immerse all halters, ropes, and other types of equipment used in handing and restring animals are well as forks, showels, and screpers used for removing litter and manure.
 5. Allow to stand for at least 5 minutes for sanitization or 10 minutes for disinfectoru.

Ventilate enclosed spaces. Do not repopulate with poultry or other animals, or use equipment until treatment has been absorbed or dried.

Do not repopulate with poultry or other animals, or use equipment until treatment has been absorbed or chied.
 Hatchers, Setters, and Chick Processing Facilities
 Notif or treatment of hatchers which contain chicks/eggs.
 For disinfection or sanitizing of environmental surfaces prior to introduction of eggs: Remove all animals and feed from premises/whiches and enclosures.
 Clean out feathers, fluft, or other debris. Remove gross filth and solid deposits from surfaces prior to treatment. Pre-clean surfaces with a suitable delergent and rinse with water.
 Prepare either disinfection or a sanitizing solution depending upon the organisms being treated by mixing the appropriate amount of GUUTEX GOT Sanitzer and Disinfectani with water. Refer to solution prepares inter disinfection or an intracting solution depending upon the organisms being treated by mixing the appropriate amount of GUUTEX GOT Sanitzer and Disinfectani with water. Refer to solution prepares inter disinfection or an antizing solution depending upon the organisms being treated by mixing the appropriate amount of GUUTEX GOT Sanitzer and Disinfectani with water. Refer to solution prepares used for removing litter and manure.
 Networks the roughly betwee revues.
 Notes: For treatment of air and surfaces in high humidity hatchers and setters with water spray cooling: Fog or atomize this solution into its outside the positive house when applying the tog. Wati at least 3 hours before ne-ontry after application.
 Notes: For treatment of air and surfaces in low humidity hatchers and setters with water spray cooling: Fog or atomize this solution into its outside the positive house when applying the tog. Wati at least 3 hours before ne-ontry after application equipment. Fogging of positiv houses before ne-ontry after application application exploration.
 Notes: For treatment of ain and surfaces in low humidity hatchers with chile dool cooli

Trays, Racks, Carts, Chick Boxes, Cages and Other Hard Surfaces
 Remove all fath and heavy debits from surfaces by scraping or washing.
 Prepare either disinfaction or sanizing solution depending upon the organisms being treated by mixing the appropriate amount of GUITEX GOI Sanitzer and Disinfectant with water. Rafer to solution preparation above.
 Apply by spraying or immersion, and allow to drain and air-dry. Immerse all halters, ropes, and other types of equipment used in ha and restraining animals, as well as forks, showles, and scrapers used for removing litter and manue.
 Allow to stand for at least 5 minutes for sanitization or 10 minutes or for longer for disinfection.
 Venitate endosed spaces.
 Do not repopulate with poultry or other animals, or use equipment until treatment has been absorbed or dried.

103864-SD-8/5/2010-RA2406

Ventilate enclosed spaces. Do not repopulate with poultry or other animals, or use equipment until treatment has been a

rucks and other Vehicles Remove all filth and heavy debris from surfaces by scraping or washing. Prepare either disindection or sanitizing solution depending upon the organisms being treated by mixing the appropriate amount of LUTEX GQ1 Sanitizer and Disinfectant with water. Refer to solution preparation above. Apply by spraying or immersion, and allow to air -dy. Allow to stand for at least 5 minutes for sanitization or 10 minutes or for longer for disinfection. Ventible endosed spaces. Do not repopulate with poultry or other animals, or use equipment until treatment has been absorbed or dried.

DISINFECTING OR SANITIZING NON-FOOD CONTACT SURFACES, INDUSTRIAL EQUIPMENT AND BUILDINGS Not registered for this use in the State of California. 1. Remove all heavy fith and soli deposits from surfaces using a suitable cleaner. 2. Prepare either disinfection or sanitzing solution by mixing the appropriate amount of GLUTEX GQ1 Sanitizer and Disinfectant with water. Refer to solution preparation above. 3. Using suitable commercially available equipment, saturate all surfaces with the prepared solution. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and screpers used for removing litter and manure. 4. Allow to stand for at least 5 minutes for sanitization or 10 minutes or for longer for disinfection. 5. Vertilate enclosed spaces.