

### **UNITED STATES ENVIRONMENTAL PROTECTION AGENCY** WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

### April 23, 2013

Kindra Levels **Product Stewardship Specialist** Occidental Chemical Corporation P. O. Box 809050 Dallas, TX 75380-9050

Subject:

**AKTA KLOR 25** 

EPA Registration Number: 21164-6 Application Date: April 3, 2013 EPA Receipt Date: April 9, 2013

Dear Ms. Levels:

This acknowledges receipt of the above notification application, submitted under the provision of PR Notice 98-10, FIFRA 3(c)9.

### **Proposed Notification:**

Add the National Foundation (NSF) logo to the subject product labeling.

### **General Comments:**

Based on a review of the material submitted, the following comment applies:

The notification application is acceptable. A copy of the notification has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact Adam Heyward via email at heyward adam@epa.gov or by telephone at (703) 347-0274 during the hours of 6:00 am to 2:30 pm EST.

Sincerely,

Mike Mendelsohn

mike pm

Acting Product Manager (32) Regulatory Management Branch II

Antimicrobials Division (7510P)

) Please read instructions o	n reverse before c `sting form		Form Apr	rover \	fR No. 2070-	0060	Prin	1.Form 2
<b>≎EPA</b>	United Sta Environmental Prote Washington, DO	ection Age	ncy  Ferm Approve  Registration  Amendment  Other			n	OPP Identifier Number	
	Applic	ation for l	Pesticide - Sec	ction I				
<ol> <li>Company/Product Nurr Occidental Chemical</li> </ol>	ber Corporation / 21164-6		2. EPA Product Ma Monisha Harris	nager			posed Clas	
4. Company/Product (Nar Occidental Chemica	ne)   Corporation / Akta Klor 25		PM# 32			اثا	None	Restricted
Occidental Chemica P.O. Box 809050 - A Dallas, TX. 75380-9	Attn: Kindra Levels		6. Expedited Re (b)(i), my product to: EPA Reg. No Product Name	is similar N/A - Not	or identical Applicable	in con		
	· · · · · · · · · · · · · · · · · · ·	Sec	tion - II					
Amendment - Exp Resubmission in r Notification - Expl	esponse to Agency letter dated		Final printed labels in response to Agency letter dated "Me Too" Application.  Other - Explain below.					
of PR Notices 98-10 and of formula (CSF). I unde is not consistent with the	ed as per guidance letter by Mr. Fra EPA regulations in 40 CFR 152.46, rstand it is a violation of 18 USC Se he terms of PR Notice 98-10 and 40 der sections 12 and 14 of FIFRA.	and no other cl c 1001 to willfu	nanges have been ma Ily make any false sta	de to this p tement to f	roduct' labeli EPA. I further	ng or to underst	its confide and that if	ential statement this notification
		Sec	tion - III					
1. Material This Product Child-Resistant Packagin Yes* No * Certification must be submitted	Unit Packaging Yes No	er If "Yes	Soluble Packaging Yes No No No Permitted No. per No contain		PI Gi Pi	itainer letal lastic lass aper ther (Sp	pecify)	
3. Location of Net Conte	Container	s) Retail Contai			on of Label D On Label On Labeling			oduct
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		Sect	tion - IV					
1. Contact Point  Compi	ete items directly below for identif		idual to be contacted	l, if necess			0000	
Name Titl Kindra Levels			Telephone No. (Included the control of the control				No. (Որ <b>clu</b> -3446 լ	de Area Code)
I certify that the st I acknowledge that both under applica	atements I have made on this form	tification m and all attack g statement me	nments thereto are tr by be punishable by (	ue, accurat ine or impr	e and completion	to:	6. Date Aj Receive	•
2. Signature	Mele	3. Title Produc	t Stewardship Spo	ecialist	(((	( (	( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( ( (	(
4. Typed Name Kindra Levels		5. Date April 3	, 2013				( ( (	•

5005 LBJ ay, Suite 2200, Dallas, Texas 75244-6152 P.O. Box 809050, Dallas, Texas 75380-9050 Phone: 972-404-3800

April 3, 2013

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
1200 Pennsylvania Ave., NW
Washington, DC 20460

USPS Certified Mail#: 7012 1010 0002 2591 7198

RE: Notification to add the NSF logo to the Akta Klor 25 label – (EPA Reg. No: 21164-6)

Dear Madam or Sir:

Enclosed is the EPA 8570-1 form, marked as a notification submission, being submitted to add the National Sanitation Foundation (NSF) logo to Occidental Chemical Corporation's existing label for Akta Klor 25, EPA Reg. No. 21164-6. This notification is being submitted in accordance with PR Notice 98-10.

The following documents have been enclosed in support of this notification:

- Application for Pesticide Registration, EPA Form 8570-1
- One (1) copy of the letter from Mr. Frank Sanders, Director of Antimicrobial Division, to Mr. Kenji Yano of NSF, providing guidance on the use of the NSF logo
- A copy of the approved NSF logos from the NSF website: <a href="http://www.nsf.org/business/water\_distribution/download\_marks.asp?program=WaterDistributionSys">http://www.nsf.org/business/water\_distribution/download\_marks.asp?program=WaterDistributionSys</a>
- One (1) copy of the proposed modification of the Akta Klor 25 label text that bears the actual NSF logo and any associated language
- One (1) copy of the proposed modification of the final Akta Klor 25 label that bears the actual NSF logo and any associated language

As stated on the 8570-1 form, the only change made to the label was the addition of the NSF logo.

Should you have any questions regarding this notification, please give me a call at (972)404-3446, or you may email me at <u>Kindra\_Levels@oxy.com</u>.

Sincerely,

Kindra Levels

Occidental Chemical Corporation Product Stewardship Specialist

Phone: 972-404-3446, Fax: 972-404-3219

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Email: Kindra Levels@oxy.com

**Enclosures** 



{All text in braces {xxx} is administrative and will not appear on a final abel}
{ All text in brackets [xxx] is optional and may or may not be included on a final label}

Column 1

### PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: Corrosive. Causes eye and skin damage.** Harmful if swallowed. Irritating to nose and throat. Avoid breathing vapor. Do not get in eyes, on skin or clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### **ENVIRONMENTAL HAZARDS**

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

### **CHEMICAL HAZARDS**

Dry sodium chlorite is a strong oxidizing agent. This product becomes a fire or explosive hazard if allowed to dry. Mix only into water. Contamination may start a chemical reaction with generation of heat, liberation of hazardous gases (chlorine dioxide), and possible fire and explosion. Do not contaminate with garbage, dirt, organic matter, household products, chemicals, soap products, paint products, solvents, acids, vinegar, beverages, oils, pine oil, dirty rags, or any other foreign matter.

### DIRECTIONS FOR USE

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

Directions for Use in the Mechanical or Electrolytic Generation of Chlorine Dioxide as a Disinfectant, or for Microorganism Control in Water and Wastewater Systems

AKTA KLOR 25 may be used in the mechanical generation of chlorine dioxide for use in controlling microorganisms in water and wastewater systems. AKTA KLOR 25 is fed to chlorine dioxide generation equipment, which produces an aqueous solution of chlorine dioxide by one of the following methods of generation:

- (1) The chlorine method, which uses AKTA KLOR 25 and chlorine gas;
- (2) The hypochlorite method, which uses AKTA KLOR 25 and a combination of a hypochlorite solution, and an acid;
- (3) The acid-chlorite method, which uses AKTA KLOR 25 and an acid as the activating agent; or,
- (4) The electrolytic method wich uses AKTA KLOR 25 with sodium chloride added as needed.

Your Occidental Chemical Corporation representative can guide you in the selection, installation and operation of generation systems. Consult the instructions on the chlorine dioxide generation system before using AKTA KLOR 25.

### **FEED REQUIREMENTS**

Feed rates of AKTA KLOR 25 will depend on the severity of contamination and the degree of control desired. The exact dosage will depend on the size of the system and residual necessary for effective control. Depending on the generator type, AKTA KLOR 25 may be diluted at the point of use to prepare a 3% to 7.5% active aqueous solution for use in chlorine dioxide generators.

In all cases, generated chlorine dioxide solution should be applied in such a manner to ensure adequate mixing and minimal volatilization. The water stream to be treated may either be passed directly through the chlorine dioxide generator or treated via side stream injection point. The generation system employed should be in good working order and capable of achieving chlorine dioxide solutions free from chlorine contaminations.

Because of the variability of demand in water and process systems, the dosage of chlorine dioxide required to achieve the target residuals is normally lower for continuous feed systems than for slug or timed code applications. The minimum acceptable residual for chlorine dioxide, as determined by a verified procedure, is 0.1 ppm for a minimum one minute contact time.

NOTIFICATION
Date Reveiwed: 4-23-13
Reviewed By: 4-123-13

{All text in braces {xxx} is administrative and will not appear on a final label} { All text in brackets [xxx] is optional and may or may not be included on a final label}

Column 2

### **AKTA KLOR 25**

CHLORINE DIOXIDE PRECURSOR FOR MICROBIAL CONTROL IN **WATER AND WASTEWATER** 

ACTIVE INGREDIENTS:		
Sodium Chlorite		25%
INERT INGREDIENTS		. 75%
Т	OTAL	100%

VEED	OUT OF REACH OF CHILDREN
NEEP	
	DANGER
	FIRST AID
If in eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes.     Remove contact lenses, if present, after the first 5
	minutes.  Call a poison control center or doctor immediately for treatment advice.
If on skin or clothing:	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment</li> </ul>
If swallowed:	advice if burning or irritation of the skin persists.      Have person drink a glass of water immediately if able to swallow.
	<ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> </ul>
	<ul> <li>Do not induce vomiting unless told to do so by the poison control center or doctor.</li> </ul>
	<ul> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
If inhaled:	Move person to fresh air and monitor for respiratory distress.
	<ul> <li>If cough or difficulty in breathing develops, consult a physician immediately.</li> </ul>
	<ul> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration.</li> </ul>
	<ul> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
	ency information call: 800-733-3665 (24 hours)
Have the product contain	er or label with you when calling a poison control center or doctor or going to treatment
	NOTE TO PHYSICIAN:
Probable muco	sal damage may contraindicate the use of gastric lavage.
EPA Reg. No. 21164-6 EPA	EPA Est. No. 5382-KS-01 EPA Est. No. 70547-IL-01
NET (	CONTENTS: gal. ( liters)

**MANUFACTURED BY:** 



**Occidental Chemical Corporation** P.O.Box 809050 Dallas, TX. 75380-9050

CHEMTREC Emergency No: 1-800-424-9300

{All text in braces {xxx} is administrative and will not appear on a final label}
{ All text in brackets [xxx] is optional and may or may not be included on a final label}

### Column 3

Residual determination procedures should be substantiated methods and should also be specific for chlorine dioxide or used in systems where no chlorine contamination is possible. Do not add AKTA KLOR 25 directly to process water.

### **APPLICATIONS**



### POTABLE WATER AND WASTEWATER DISINFECTION:

For most municipal and public potable water systems, a chlorine dioxide residual concentration up to 2.0 ppm is sufficient to provide adequate disinfection. Residual disinfectant and disinfection byproducts must be monitored as required by the National Primary Drinking Water Regulations (40 CFR Part 141) and state drinking water standards. For wastewater and sewage applications, residual chlorine dioxide concentrations up to 5.0 ppm are generally adequate.

### FOOD PROCESSING PLANTS, DAIRIES, BOTTLING PLANTS, AND BREWERIES:

For microbial control in typical food processing water systems, such as flume transport, chill water systems, hydrocoolers, beverage and brewery pasteurizers and bottle rinsing, apply AKTA KLOR 25 through a chlorine dioxide generation system to achieve a chlorine dioxide residual concentration ranging from 0.25 to 5.0 ppm.

Water, containing up to 3 ppm residual chlorine dioxide may be used for washing fruits and vegetables that are not raw agricultural commodities in accordance with 21CFR§173.300. Treatment of the fruits and vegetables with chlorine dioxide must be followed by a potable water rinse, or by blanching, cooking or canning.

### **POULTRY PROCESSING WATER:**

Use AKTA KLOR 25 to generate chlorine dioxide for use as an antimicrobial agent in water used in poultry processing in an amount not to exceed 3 ppm residual chlorine dioxide as determined by an appropriate method.

### AQUEOUS DISINFECTION SYSTEMS FOR CIP CLEANING:

If the concentration of chlorine dioxide generated from AKTA KLOR 25 exceeds 5.0 ppm, a potable water rinse should follow treatment. Care should be taken to ensure the biological and chemical quality of the potable water.

### GENERAL INDUSTRIAL PROCESS WATER TREATMENT (OILFIELD INJECTION WATER, WHITE WATER PAPER MILL SYSTEMS, AND RECIRCULATING COOLING TOWERS):

For control of microbial slime, these systems will require a chlorine dioxide residual concentration ranging between 0.25 and 5.0 ppm. The AKTA KLOR 25 dosage needed to achieve these levels will vary widely depending on the exact application. Please consult your Basic Chemicals Company representative for assistance in determining the correct dosage level.



{All text in braces {xxx} is administrative and will not appear on a final label}
{ All text in brackets [xxx] is optional and may or may not be included on a final label}

### STORAGE AND DISPOSAL

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

<u>Storage:</u> Keep product in tightly closed container when not in use. Don't drop, roll or skid drum. Keep upright. Always replace cover. Store in a cool, dry well-ventilated area away from heat or open flame.

<u>Pesticide Wastes:</u> Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate 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 the nearest EPA Regional Office for guidance.

{Text for non-refillable liquid containers that are 5 gallons or smaller}

### CONTAINER DISPOSAL: Nonrefillable Container.

Do not reuse or refill this container. Offer for recycling if available. Offer for reconditioning if appropriate. Triple Rinse or Pressure Rinse container promptly after emptying.

<u>Triple Rinse as follows:</u> Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. <u>Pressure Rinse as follows:</u> Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds, after the flow begins to drip.

{Text for non-refillable liquid containers that are larger than 5 gallons}

### CONTAINER DISPOSAL: Nonrefillable Container.

Do not reuse or refill this container. Offer for recycling if available. Offer for reconditioning if appropriate. Triple Rinse or Pressure Rinse container promptly after emptying.

<u>Triple Rinse as follows:</u> Empty remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

<u>Pressure Rinse as follows:</u> Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse about 40 PSI for at least 30 seconds. Drain for 10 seconds, after the flow begins to drip.

{Text for refillable liquid containers}

### CONTAINER DISPOSAL: Refillable Container.

Refill this container with [Akta Klor 25] [Supplemental distributor brand name] only. Do not reuse this container for any other purpose. Cleaning or pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing process two more times.

To pressure rinse the container before final disposal, empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds, after the flow begins to drip.

# tor non-petitude containers that are larger than 5-gallons.

## PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

nose and throat. Avoid breathing vapor. Do not get in eyes, on skin or clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. DANGER: Corrosive. Causes eye and skin damage. Harmful if swallowed. Irritating to

### **ENVIRONMENTAL HAZARDS**

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

### CHEMICAL HAZARDS

/ sodium chlorite is a strong oxidizing agent. This product becomes a fire or explosive riazard if allowed to dry. Mix only into water. Contamination may start a chemical reaction with generation of heat, illeration of heazardous gases (chlorine dioxide a poisonous, explosive gas), and possible fire and explosion. Do not contaminate with garbage, dirt, organic matter, household products, chemicals, soap products, paint products, solvents, acids, vinegar, beverages, oils, pine oil, dirty rags, or any other foreign matter.

### **DIRECTIONS FOR USE**

Directions for Use in the Mechanical or Electrolytic Generation of Chlorine Dioxide as a Disinfectant, or for Microorganism Control in Water and Wastewater Systems It is a violation of federal law to use this product in a manner inconsistent with its labeling.

AKTA KLOR 25 may be used in the mechanical generation of chlorine dioxide for use in controlling microorganisms in water and wastewater systems. AKTA KLOR 25 is fed to chlorine dioxide generation equipment, which produces an aqueous solution of chlorine dioxide by one of the following methods of generation:

(1) The chlorine method, which uses AKTA KLOR 25 and chlorine gas;

(2) The hypochlorite method, which uses AKTA KLOR 25 and a combination of a

- hypochiorite solution, and an acid;
  The acid-chlorite method, which uses AKTA KLOR 25 and an acid as the ල
  - activating agent; or, The electrolytic method which uses AKTA KLOR 25, with sodium chloride added 4

Your Occidental Chemical Corporation representative can guide you in the selection, installation and operation of generation systems. Consult the instructions on the chlorine dioxide generation system before using AKTA KLOR 25.

as needed

### FEED REQUIREMENTS

control desired. The exact dosage will depend on the size of the system and residual josssary for effective control. Depending on the generator type, AKTA KLOR 25 may be diluted at the point of use to prepare a 3% to 7.5% active aqueous solution for use in Seed rates of AKTA KLOR 25 will depend on the severity of contamination and the degree chlorine dioxide generators.

In all cases, generated chlorine dioxide solution should be applied in such a manner to ensure adequate mixing and minimal volatilization. The water stream to be treated may either be passed directly through the chlorine dioxide generator or treated via side stream injection point. The generation system employed should be in good working order and capable of achieving chlorine dioxide solutions free from chlorine contamination.

Because of the variability of demand in water and process systems, the dosage of chlorine dioxide required to achieve the target residuals is normally lower for continuous feed systems than for slug or timed feed applications. The minimum acceptable residual for chtorine dioxide, as determined by a verified procedure, is 0.1 ppm for a minimum one

Residual determination procedures should be substantiated methods and should also be specific for chlorine dioxide or used in systems where no chlorine contamination is possible. Do not add AKTA KLOR 25 directly to process water.

# **AKTA KLOR 25**

CHLORINE DIOXIDE PRECURSOR FOR MICROBIAL CONTROL IN WATER AND WASTEWATER

ACTIVE INGREDIENTS: OTHER INGREDIENTS Sodium Chlorite

KEEP OUT OF REACH OF CHILDREN

**JANGER** 

**FIRST AID** 



Certiflad to NSF/ANSI 60

Water, containing up to 3 ppm residual chlorine dioxide may be used for washing fruits and vegetables that are not raw agricultural commodities in accordance with 21CFR§173.300. Treatment of the fruits and vegetables with chlorine dioxide must be followed by a potable water rinse, or by blanching, cooking or canning.

POULTRY PROCESSING WATER: Use AKTA KLOR 25 to generate chlorine dioxide for use as an antimicrobial agent in water used in poulfry processing in an amount not to exceed 3 ppm residual chlorine dioxide as determined by an appropriate method.

AQUEOUS DISINFECTION SYSTEMS FOR CIP CLEANING: If the concentration of chlorine dioxide generated from AKTA KLOR 25 exceeds 5.0 ppm, a potable water rinse should follow treatment. Care should be taken to ensure the biological and chemical quality of the potable water.

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue

Call a poison control center or doctor immediately for treatment advice.

rinsing eye.

If in eyes:

If on skin or

clothing:

Take off contaminated clothing. Pinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice if burning or

GENERAL INDUSTRIAL PROCESS WATER TREATMENT (OILFIELD INJECTION WATER, WHITE microbial slime, these systems will require a chlorine dioxide residual concentration ranging between 0.25 and 5.0 ppm. The AKTA KLOR 25 dosage needed to achieve these levels will vary widely WATER PAPER MILL SYSTEMS, AND RECIRCULATING COOLING TOWERS): For control depending on the exact application.

Please consult your Occidental Chemical Corporation representative for assistance in determining the correct dosage level.

## STORAGE AND DISPOSAL

Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by the poison control center or

Have person drink a glass of water immediately if able to swallow

if swallowed:

irritation of the skin persists.

If cough or difficulty in breathing davelops, consult a physician immediately.

Move person to fresh air and monitor for respiratory distress. Do not give anything by mouth to an unconscious person.

if inhaled:

If person is not breathing, call 911 or an ambulance, then give artificial

Call a poison control center or doctor for further treatment advice.

respiration.

For emergency information call: 800-733-3665 (24 hours) Have the product container or label with you when calling a poison control center

Probable mucosal damage may contraindicate the use of gastric lavage.

NOTE TO PHYSICIAN:

### Storage; Store this product in a cool, dry area away from direct sunlight and heat to avoid DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.

deterioration. In case of spill, flood the area with large quantities of water

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

Offer for recycling if available. Offer for reconditioning if appropriate. Triple Rinse or Pressure Rinse container promptly after emptying. CONTAINER DISPOSAL: Nonrefillable Container. Do not reuse or refill this container.

<u>Titiple Rinse as follows;</u> Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or Fill the container 1/4 full with water. Replace and tighten closures. Tip container disposal. Repeat this procedure two more times.

EPA Est. 5382-KS-01 EPA Est. 70547-IL-01

container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse about 40 PSI for at least 30 seconds. Drain for 10 seconds, after the flow begins to drip. Pressure Rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold

Label: M47030 (6460) OC\_US\_dr\_EPA (1209) R04

CHEMTREC Emergency No: 1-800-424-9300

Dallas, TX 75380-9050

P. O. Box 809050

Occidental Chemical Corporation

Manufactured By

NET CONTENTS:

EPA Reg. No. 21164-6

### FOR NON-PERSIABLE CONTACHOUS tha 5-gallons or smaller.

## PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER: Corrosive. Causes eye and skin damage. Harmful if swallowed. Inflating to
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### ENVIRONMENTAL HAZARDS

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# **AKTA KLOR 25**

CONTROL IN WATER AND WASTEWATER

ACTIVE INGREDIENTS: Sodium Chlorite
OTHER INGREDIENTS

### KEEP OUT OF REACH OF CHILDREN DANGER

FIRST AID

It in eyes:	ž #	Hold eye agen and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue
	€ඊ 	rinsing eye. Call a poison control center or doctor immediately for treatment advice.
lf on skin or clathing:	e E C E	Take off contaminated dothing. Rinse skin immediately with plenty of water for 15-20 minutes. Calt a poison control center or doctor for treatment advice if burning or initiation of the skin persists.
If swallowed:	± తద శ్రీ ••••••	Have person drink a glass of water immediately if able to swallow. Call a poison control center or doctor irmrediately for treatment advice. Do not induce vormiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
lf inhaled:	* * * * * * * * * * * * * * * * * * *	Move person to fresh air and monitor for respiratory distress.  Kough or difficulty in breathing develops, consult a physician immediately, if person is not breathing, call 911 or an ambulance, then give artificial respiration.  Call a poison control center or doctor for further treatment advice.
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For emergency information calt: 800-733-3665 (24 hours) than the product container or label with you when calling a poison control center

NOTE TO PHYSICIAN:

Probable mucosal damage may contraindicate the use of gastric lavage.

EPA Reg. No. 21164-6

EPA Est. 5382-KS-01 EPA Est. 70547-IL-01

Manufactured By: gal. { NET CONTENTS:



Occidental Chemical Corporation Dallas, TX 75380-9050 P. O. Box 809050

CHEMTREC Emergency No: 1-800-424-9300

### APPLICATIONS.

and distritection byproducts must be monitored as required by the National Prinary Drinlong Water Regulations (40 CFR Part 141) and state chrisking water standards. For waste when and selvage arguitestons, residual chlorine POTABLE WATER AND WASTEWATER DISINI-ECTION COMOST THINIDIA and public potable water systems, a chlorine dioxide residual concentration up p 2.0 ppm is sufficient to provide adequate disinfection. Residual disinfectant dioxide concentrations up to 5 0 opm Pre genoral, adequate.

miorobial control in typical ½50 250ce sing water systems, such as furne transport, chill we systems, typicocolers, beverage and brewery pasteurizers and bottle finsing, apply AK ALOR 25 through a chlorine dioxide generation system to achieve a chlorine dioxide resist concernation ranging from 0.25 to 5.0 ppm. FOOD PROCESSING PLANTS, DAINIES, BOTTLENG PLANTS, AND BREWERIES:

Water, containing up to 3 ppm residual chlorine dioxide may be used for washing fruits an vegetables that are not raw agricultural commodities in accordance with 21CFR§173.300. Treatment of the fruits and vegetables with chlorine dioxide must be followed by a potable wate. rinse, or by blanching, cooking or canning.

POULTRY PROCESSING WATER: Use AKTA KLOR 25 to generate chlorine dioxide for use as an antimicrobial agent in water used in poultry processing in an amount not to exceed 3 ppm residual chlorine dioxide as determined by an appropriate method.

doxide generated from AKTA KLOR 25 exceeds 5.0 ppm, a potable water rinse should follow beginnent. Care should be taken to ensure the biological and chemical quality of the potable water. AQUEOUS DISINFECTION SYSTEMS FOR CIP CLEANING: If the concentration of chlorine

control of microbial slime, these systems will require a chlorine dicoide residual concentration ranging between 0.25 and 5.0 ppm. The AKTA KLOR 25 dosage needed to achieve these levels GENERAL INDUSTRIAL PROCESS WATER TREATMENT (OILFIELD INJECTION WATER, WHITE WATER PAPER MILL SYSTEMS, AND RECIRCULATING COOLING TOWERS): FOR will vary widely depending on the exact application.

Please consult your Occidental Chemical Corporation representative for assistance in determining the correct dosage level.

### STORAGE AND DISPOSAL

### Storage. Store this product in a cool, dry area away from direct sunlight and heat to avoid deterioration. In case of spill, flood the area with large quantities of water. do not contaminate water, food or feed by storage or disposal.

positicide, spray mixture, or rinsate is a violation of Federal law, if these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Pesticide Wastes: Pesticide wastes are acutely hazardous. Improper disposal of excess disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable Container. Do not reuse or refill this container Offer for recycling if available. Offer for reconditioning if appropriate. Triple Rinse or Pressure Rinse container promptly after emptying.

<u>Triple Rinse as follows.</u> Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PS) for at least 30 seconds. Drain for 10 seconds, after the flow begins to drip. Pressure Rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later

Label: M47030 (6460) OC\_US\_Pail\_EPA (1209) R01