

21164-9

5/9/2013

1/12



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 9, 2013

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

SUBJECT: Akta Klor 7.5  
EPA Registration Number: 21164-9  
Application Date: April 3, 2013  
Application Receipt: April 10, 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:

Occidental Chemical Corporation proposes to place the NSF logo on their label.

General Comments:

The Notification application is **acceptable**. The company complied with the Agency's rules regarding placement of the NSF logo. If you have any questions or comments with regard to this Agency letter, please contact Nathan Mottl via email at [mottl.nathan@epa.gov](mailto:mottl.nathan@epa.gov) or by telephone at 703-305-0208.

Sincerely,

A handwritten signature in black ink that reads "Mike Mendelsohn".

Mike Mendelsohn  
Acting EPA Product Manager (32)  
Regulatory Management Branch II  
Antimicrobials Division (7510P)



Please read instructions on reverse before completing form.

Form Approved

OMB No. 2070-0060

2112

Print Form



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
Amendment  
 Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number Occidental Chemical Corporation / 21164-9		2. EPA Product Manager Monisha Harris		3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted	
4. Company/Product (Name) Occidental Chemical Corporation / Akta Klor 7.5		PM# 32			
5. Name and Address of Applicant (Include ZIP Code) Occidental Chemical Corporation P.O. Box 809050 - Attn: Kindra Levels Dallas, TX. 75380-9050 <input type="checkbox"/> Check if this is a new address			6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>N/A - Not Applicable</u> Product Name <u>N/A - Not Applicable</u>		

### Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Approved NSF logo added as per guidance letter by Mr. Frank Sanders of EPA, to Mr. Kenji Yano of NSF. This notification is consistent with the provisions of PR Notices 98-10 and EPA regulations in 40 CFR 152.46, and no other changes have been made to this product' labeling or to its confidential statement of formula (CSF). I understand it is a violation of 18 USC 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 to enforcement action and penalties under sections 12 and 14 of FIFRA.

### Section - III

1. Material This Product Will Be Packaged In:						2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	If "Yes" Unit Packaging wgt.    No. per container		If "Yes" Package wgt    No. per container		<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted							
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product			
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____				

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Kindra Levels	Title Product Stewardship Specialist	Telephone No. (Include Area Code) 972-404-3440
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Product Stewardship Specialist	
4. Typed Name Kindra Levels	5. Date April 3, 2013	



**Occidental Chemical Corporation OxyChem.**  
A subsidiary of Occidental Petroleum Corporation

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

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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 7204

RE: Notification to add the NSF logo to the Akta Klor 7.5 label – (EPA Reg. No: 21164-9)

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 7.5, EPA Reg. No. 21164-9. 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:  
[http://www.nsf.org/business/water\\_distribution/download\\_marks.asp?program=WaterDistributionSys](http://www.nsf.org/business/water_distribution/download_marks.asp?program=WaterDistributionSys)
- One (1) copy of the proposed modification of the Akta Klor 7.5 label text that bears the actual NSF logo and any associated language
- One (1) copy of the proposed modification of the final Akta Klor 7.5 label that bears the actual NSF logo and any associated language

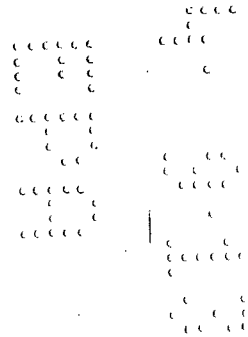
As stated on the 8570-1 form, the only change made to the label was the addition of the NSF logo.

Should you have any questions regarding this notification, please give me a call at (972)404-3446, or you may email me at [Kindra.Levels@oxy.com](mailto:Kindra.Levels@oxy.com).

Sincerely,

Kindra Levels  
Occidental Chemical Corporation  
Product Stewardship Specialist  
Phone: 972-404-3446, Fax: 972-404-3219  
Email: [Kindra.Levels@oxy.com](mailto:Kindra.Levels@oxy.com)

Enclosures



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# Download Certification Marks



## How to Download NSF Marks:

Select the appropriate graphic format under the mark you wish to download, then click on the link to begin the download process. To ensure that they download properly, the files have been zipped. To unzip the files, use an archive utility, such as WinZip. These files are provided in a form designed for use on printed materials. If you do not know the correct graphic format you need, follow these basic guidelines:

- Select "EPS" if you plan to significantly increase or decrease the size of the mark. (Note: EPS graphic files are not pixel based and may be sized at will with no decrease in image quality.)
- Select "JPG" if you are using a Windows, Macintosh, or UNIX operating system and plan to use the the mark in a page layout program, such as Adobe PageMaker, or if you wish to use this mark on the Internet, such as on your home page. If you wish to make this mark "clickable" to access NSF International's site, please use the following code: `<a href="http://www.nsf.org"></a>`

If you need assistance downloading any NSF Mark, please email [webmaster@nsf.org](mailto:webmaster@nsf.org).

## NSF Std. 60/Std. 61 Certification Marks

For additional information, please look over our [About the Mark](#) section. For futher details about product marking, contact your certification project manager. Additional colors and formats of NSF Marks are available on the general [NSF Marks Download](#) page.



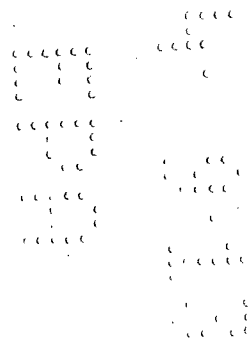
Certified to NSF/ANSI 60

[EPS](#) | [JPG](#)



Certified to NSF/ANSI 60

[EPS](#) | [JPG](#)



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Certified to NSF/ANSI 60

EPS | JPG

NSF - 60

EPS | JPG



Certified to NSF/ANSI 61

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Certified to NSF/ANSI 61

EPS | JPG



Certified to NSF/ANSI 61

EPS | JPG

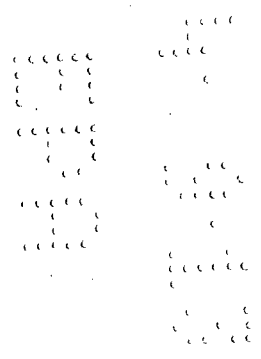
NSF - 61

EPS | JPG



Certified to NSF/ANSI 61 Section 9

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Certified to NSF/ANSI 61  
Section 9

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Certified to NSF/ANSI 61  
Section 9

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NSF - 61/9

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## NSF Std. 61 - Annex G - Certification Marks

These marks indicate that your product has been certified to NSF/ANSI Standard 61 **plus** Annex G, the optional low-lead annex of the standard. If you have any confusion as to your certification, please refer to the NSF Listings page or contact your NSF Certification project manager.



Certified to  
NSF/ANSI 61-G

EPS | JPG



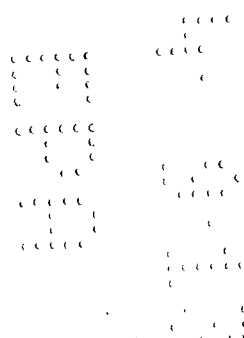
Certified to  
NSF/ANSI 61-G

EPS | JPG



Certified to NSF/ANSI 61  
Section 9-G

EPS | JPG



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Certified to NSF/ANSI 61  
Section 9-G

[EPS](#) | [JPG](#)



Certified to NSF/ANSI 61  
Section 9-G

[EPS](#) | [JPG](#)

## NSF-372 - Certification Marks



Certified to  
NSF/ANSI 372

[EPS](#) | [JPG](#)



Certified to  
NSF/ANSI 372

[EPS](#) | [JPG](#)

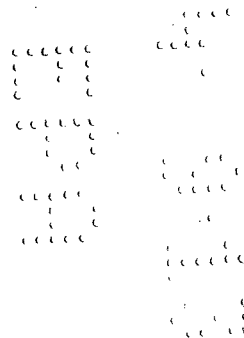


Certified to  
NSF/ANSI 372

[EPS](#) | [JPG](#)

### NSF-372

[EPS](#) | [JPG](#)



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{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}

AKTA KLOR 7.5  
EPA Reg. No. 21164-9

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 7.5 may be used in the mechanical generation of chlorine dioxide for use in controlling microorganisms in water and wastewater systems. AKTA KLOR 7.5 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 7.5 and chlorine gas;
- (2) The hypochlorite method, which uses AKTA KLOR 7.5 and a combination of a hypochlorite solution, and an acid;
- (3) The acid-chlorite method, which uses AKTA KLOR 7.5 and an acid as the activating agent; or,
- (4) The electrolytic method which uses AKTA KLOR 7.5, 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 7.5.

#### FEED REQUIREMENTS

Feed rates of AKTA KLOR 7.5 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 7.5 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 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 chlorine dioxide, as determined by a verified procedure, is 0.1 ppm for a minimum one minute contact time.



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{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}

AKTA KLOR 7.5

EPA Reg. No. 21164-9

Column 2

# AKTA KLOR 7.5

CHLORINE DIOXIDE PRECURSOR FOR MICROBIAL CONTROL IN WATER AND WASTEWATER

**ACTIVE INGREDIENTS:**

Sodium Chlorite .....	7.5%
INERT INGREDIENTS .....	92.5%
<b>TOTAL</b>	<b>100.0%</b>

<b>KEEP OUT OF REACH OF CHILDREN</b>	
<b>DANGER</b>	
<b>FIRST AID</b>	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor immediately for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <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 advice if burning or irritation of the skin persists.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Have person drink a glass of water immediately if able to swallow.</li> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air and monitor for respiratory distress.</li> <li>• If cough or difficulty in breathing develops, consult a physician immediately.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>For emergency information call: 800-733-3665 (24 hours)</b>	
Have the product container or label with you when calling a poison control center or doctor or going to treatment	
<b>NOTE TO PHYSICIAN:</b>	
Probable mucosal damage may contraindicate the use of gastric lavage.	

EPA Reg. No. 21164-9

<input type="checkbox"/>	EPA Est. No. 5382-KS-01
<input type="checkbox"/>	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}

**AKTA KLOR 7.5**

EPA Reg. No. 21164-9

**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 7.5 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 7.5 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 7.5 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 in accordance with 21CFR § 173.300.

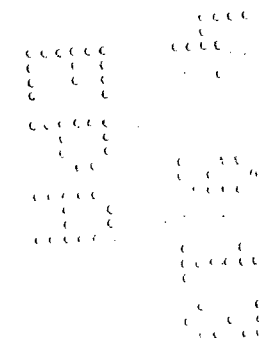
**AQUEOUS DISINFECTION SYSTEMS FOR CIP CLEANING:**

If the concentration of chlorine dioxide generated from AKTA KLOR 7.5 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 7.5 dosage needed to achieve these levels will vary widely depending on the exact application.

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



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{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}

AKTA KLOR 7.5  
EPA Reg. No. 21164-9

Column 4

### STORAGE AND DISPOSAL

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

**Storage:** 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.

**Pesticide Wastes:** 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.  
Triple Rinse as follows: 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.  
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 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.  
Triple Rinse as follows: 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.  
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 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 7.5] [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.

# AKTA KLOR 7.5

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



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 7.5 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, appropriate AKTA KLOR 7.5 through a chlorine dioxide generation system to achieve a chlorine dioxide 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 7.5 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 in accordance with 21CFR § 173.300.

**AQUEOUS DISINFECTION SYSTEMS FOR CIP CLEANING:** If the concentration of chlorine dioxide generated from AKTA KLOR 7.5 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 7.5 dosage needed to achieve these levels 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

**DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR 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.

**Pesticide Wastes:** Pesticide wastes are acutely hazardous. Improper disposal of pesticide, spray mixture, or rinseate is a violation of Federal law. If these wastes are 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.

**Triple Rinse as follows:** 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 rinseate into application equipment or a mix tank or store rinseate for later use or disposal. Repeat this procedure two more times.

**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 rinseate 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.

ACTIVE INGREDIENTS:	7.5%
Sodium Chlorite	92.5%
OTHER INGREDIENTS	TOTAL 100.0%

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER**  
FIRST AID

<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor immediately for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <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 advice if burning or irritation of the skin persists.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Have person drink a glass of water immediately if able to swallow.</li> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air and monitor for respiratory distress.</li> <li>• If cough or difficulty in breathing develops, consult a physician immediately.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

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

**NOTE TO PHYSICIAN:**  
Probable mucosal damage may contraindicate the use of gastric lavage.

EPA Reg. No. 21164-9  
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**  
**Label: M47032 (6700) OC\_US\_dr\_EPA (1209) dr\_R03**

### 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 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

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 7.5 may be used in the mechanical generation of chlorine dioxide for use in controlling microorganisms in water and wastewater systems. AKTA KLOR 7.5 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 7.5 and chlorine gas;
- (2) The hypochlorite method, which uses AKTA KLOR 7.5 and a combination of a hypochlorite solution, and an acid;
- (3) The acid-chlorite method, which uses AKTA KLOR 7.5 and an acid as the activating agent; or,
- (4) The electrolytic method which uses AKTA KLOR 7.5, 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 7.5.

### FEED REQUIREMENTS

Feed rates of AKTA KLOR 7.5 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 7.5 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 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 chlorine dioxide, as determined by a verified procedure, is 0.1 ppm for a minimum one minute contact time.

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