21164 - 3

2/2/2007



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

SEPA United States Environmental Protection Office of Pesticide Programs

February 21, 2007

Rose Bedwell Occidental Chemical Corporation P.O. Box 809050 Dallas, TX 75380

Subject: Dura Klor EPA Registration No. 21164-3 Submission Dated: January 29, 2007 Receipt Date: January 29, 2007

Dear Ms. Bedwell:

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

Proposed Notification

Change company name from Basic Chemicals Company LLC due to merger

New company name: Occidental Chemical Corporation

General Comments

Based on a review of the material submitted, the following comments apply:

This company name change notification is acceptable and a copy has been inserted in your file for future reference.

Should you have any questions or comments concerning this letter, please contact me at (703) 308-6345.

Sincerely,

Wanda Henson Product Reviewer - Team 32 Regulatory Management Branch II Antimicrobials Division (7510C)

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January 21, 2007

Document Processing Desk, NOTIF Office of Pesticide Programs 7504P U.S. Environmental Protection Agency 1200 Pennsylvania Ave. NW Washington DC 20464

SUBJECT: Notification of Minor Label Changes Pursuant to PR Notice 98-10 due to Merger of Occidental Chemical Corporation (935) and Basic Chemicals Company LLC. (5382 & 21164)

Dear Sir or Madam:

In accordance with PR Notice 98-10, I am notifying the Agency of minor label changes being proposed. As of January 1, 2007, the name of Basic Chemicals Company, LLC (5382 and 21164) changed to Occidental Chemical Corporation (935). Basic, which was a wholly-owned subsidiary of Occidental, merged into Occidental, pursuant to Section 904A of the New York Business Corporation Law and Title 6, Section 18-209 of the Delaware Limited Liability Company Act.

Please find the following enclosed documents supporting this notification:

- Application for Pesticide Registration (EPA form 8570-1)
- ↓ 5 copies of the revised labels for each product, 1 each with changes highlighted

As shown on the labels, the company name change impacts the pesticide registrations for company numbers 5382 and 21164. Please note for the product 5382-38, Chlorine Liquefied Gas Under Pressure, the company will use the EPA approved label for Occidental Chemical Corporation's product 935-8, adding the appropriate facility numbers.

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 these products. I understand that it is a 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, these products may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

We look forward to your written response to this notification. Please contact me by phone at 972-404-3918 if you have any questions.

Sincerely Jose Redwell

Rose Bedwell Health, Environment & Safety Specialist



Occidental Chemical Corporation Corporate Office 5005 LBJ Freeway, Dallas, TX 75244-6119 P.O. Box 809050, Dallas, TX 75380-9050



DURA KLOR

476

A pre-activated and stabilized solution of Sodium Chlorite that provides a controlled release of Chlorine Dioxide at the point of SUBSEQUENT DOSE - After ac

PRECAUTIONARY STATEMENTS Hazards to Human and Domestic Animals

CAUTION IRRITANT. Harmful if swallowed. Causes eye irritation. Avoid contact with skin, eyes or clothing. Irritating to nose and throat. Avoid breathing spray mist. In case of contact, immediately flush eyes and skin with plenty of water. Get medical attention if irritation persis.

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 the 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.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT mix with acids or other chemicals except water. Mixing with acid or other chemicals may cause evolution of chlorine dioxide gas, which is poisonous and explosive. Do not let spilled solution evaporate to dryness. If resultant residue contacts oxidizable or combustible materials, the *mixture is easily ignited by heat or friction.* This results in a fiercely burning fire, or in a confined space, a possible explosion. Examples of such materials are cloth, paper, wood, sawdust, hydrocaroons such as greases, oils, and solvents, rubber, leather, plastics, and organic substances in general; also sulfur, sulfides, powdered metals, phosphorous and ammonium compounds.

DIRECTIONS FOR USE

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

o AS A PAPER PROCESSING SLIMICIDE IN WHITE WATER SYSTEMS: This product has FDA GRAS status when used as a slimicide in the manufacture of paper and paperboard that contacts food (21 CFR 186.1750)

APPLICATION DIRECTIONS:

(1) If the pH of the white water is below 7.0, use 5 to 15 gallons of DURA KLOR per 100,000 gallons of white water to be treated, which corresponds to an active ingredient concentration of 3 to 9 ppm. Atternatively, use 2 to 4 gallons DURA KLOR per 100 tons of paper produced, which correlates to a dosage rate of 5 to 15 ppm active ingredient (2) If the pH of the white water is above 7.0, then add 0.5 gallon of 5% to 6% sodium hypochlorite as an activator with each 4 gallons of DURA KLOR. Continuous proportioning of feed via a suitable metering pump is recommended for best results. In many cases, the amount can be reduced after the system is clean.

FOR ENCLOSED AND RECIRCULATING WATER SYSTEMS:

DURA KLOR should be injected at a point in the system where it will undergo uniform mixing. It is recommended that a slow feed rate be applied directly into the suction side of the

ACTIVE INGREDIENT: Sodium Chlorite*	8.3%
OTHER INGREDIENTS:	91.7%
Total:	100%

KEEP OUT OF REACH OF CHILDREN CAUTION 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, then continue rinsing eye. Call a poicon control center or doctor immediately for treatment advice.
If on skin or clothing:	 Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice if burning or irritation of the skin persists.
If swallowed:	 Have person drink a glass of water immediately if able to swallow. 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 doctor. Do not give anything by mouth to an unconscious person.
For emer Have the pro	gency information call: 800-733-3665 (24 hours) duct container or label with you when calling a poison control center or doctor or going to treatment.
Probable muco	NOTE TO PHYSICIAN: sal damage may contraindicate the use of gastric lavage.



system pump. Badly fouled systems should be clean prior to treatment. (1) If the pH of the water system is less than 5.5, DURA KLOR should be applied as follows:

INITIAL DOSE - When the system is noticeably fouled, apply 1 gallon of DURA KLOR per 10,000 gallons of water in the system. Repeat dosage every 24 hours until acceptable microbiological quality is achieved. Usually 3 to 6 applications will suffice.

Made in U.S.A. Manufactured By:

Occidental Chemical Corporation Dallas, TX 75380 (972) 404-3800

Label: 0705M47035 (6600)US-EPA(12/03) dr_R00

quality is achieved, the system adding 3 doses of DURA KLOR e often as required for control. E gailon of DURA KLOR per 10,0 system repeated every 24 hours Treatment may then be discontinu days or until fouling again become (2) If the pH of the water system is KLOR should be applied as follow DURA KLOR to be added with 5 adjust this mixture to a mildly ac careful additions of a dilute (10⁴ acid/water mixture (e.g. muriatic, p an acidic mixture containing descalers, surfactants, or secu solution of sodium hypochlorite; o hypochlorous acid. This pH adjus be added immediately to the give above indicated dose rate of 1 gal DURA KLOR pre-mix to 10,000 ga DURA KLOR ore-mix should be in a point where it will be uniformly c NOTE: The addition of concentra acids to undiluted DURA KLOR ca chlorine dioxide gas, which may be at high concentrations. Do not a concentration in the pre-mix 1 Measurement of chlorine dioxide made with a Hach DPD chlorine te titration. Always consult your Corporation representative for c procedures before performing any KLOR.

SPECIFIC APPLIC DURA KLOR may be used t recirculating systems in the follow A) Dairy -- Sweet water systems t levels.

B) Farming ~ Irrigation systems tubing and piping.

C) Papermills - General wate microbiological growth.

D) Oilfield - To improve secondary quality.

É) General Industrial Applica Processing – To reduce microbiol towers and industrial process wate of uncut and unpeeled fruits ai Residual concentrations of up to 5 process water may be used for wa and vegetables although a final required if the residual exceeds 1 o FOR FOGGING AND MISTING DURA KLOR may be added to the systems to deodorize and to contrr mold and mildew in food processin plants, poultry, meat and fish plan such as poultry houses, swine kennels.

Application Directions:

When fogging rooms with DURA k



A KLOR

des a controlled release of Chlorine Dioxide at the point of use application SUBSEQUENT DOSE - After acceptable microbiological

idium Chlorite*8.3%<u>91.7%</u> Total: 100%

REACH OF CHILDREN

and rinse slowly and gently with water for 15-

ct lenses, if present, after the first 5 minutes, rinsing eye. control center or doctor immediately for

Ce.

ninated clothing. Imediately with plenty of water for 15-20

control center or doctor for treatment advice if ation of the skin persists.

trink a glass of water immediately if able to

control center or doctor immediately for ce.

vomiting unless told to do so by the poison or doctor. ything by mouth to an unconscious person.

ion call: 800-733-3665 (24 hours) bel with you when calling a poison control or or going to treatment.

PHYSICIAN:

ontraindicate the use of gastric lavage.

	EPA Est. 5382-KS-01
	70547-IL01
Net (1)

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le in U.S.A. ifactured By:

Chemical Corporation 380 30

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IS-EPA(12/03) dr_R00

quality is achieved, the system may be maintained by adding 3 doses of DURA KLOR every 14 to 24 days or as often as required for control. Each dose consists of 1 gallon of DURA KLOR per 10,000 gallons water in the system repeated every 24 hours for a total of 3 additions. Treatment may then be discontinued for another 14 to 24 days or until fouling again becomes evident.

(2) If the pH of the water system is greater than 5.5, DURA KLOR should be applied as follows: Dilute each gallon of DURA KLOR to be added with 5 to 10 gallons water then adjust this mixture to a mildly acidic pH (2.5 to 5.5) with careful additions of a dilute (10% by weight maximum) acid/water mixture (e.g. muriatic, phosphoric, acetic, citric); an acidic mixture containing corrosion inhibitors, descalers, surfactants, or sequestrants: an aqueous solution of sodium hypochlorite; or an aqueous solution of hypochlorous acid. This pH adjusted pre-mix should then be added <u>immediately</u> to the given process system at the above indicated dose rate of 1 gallon acidified or activated DURA KLOR pre-mix should be injected into the system at a point where it will be unformly diluted and mixed.

NOTE: The addition of concentrated acids or mixtures of acids to undiluted DURA KLOR can cause the evolution of chlorine dioxide gas, which may be poisonous or explosive at high concentrations. Do not allow the chlorine dioxide concentration in the pre-mix to exceed 1500 ppm. Measurement of chlorine dioxide concentrations may be made with a Hach DPD chlorine test kit or by amperometric titration. Always consult your Occidental Chemical Corporation representative for guidance and analytical procedures before performing any acid additions to DURA KLOR.

SPECIFIC APPLICATIONS

DURA KLOR may be used to treat enclosed and recirculating systems in the following application

 A) Dairy -- Sweet water systems to reduce microbiological levels.

B) Farming - Irrigation systems for slime reduction in tubing and piping.

C) Papermills -- General water treatment to reduce microbiological growth.

D) Oilfield - To improve secondary recovery process water quality.

E) General Industrial Applications Including Food Processing – To reduce microbiological growth in cooling towers and industrial process water, including wash water of uncut and unpeeled fruits and vegetables. (Note: Residual concentrations of up to 5 ppm chlorine dioxide in process water may be used for washing whole uncut fruits and vegetables although a final potable water rinse is required if the residual exceeds 1 ppm).

o FOR FOGGING AND MISTING APPLICATIONS:

DURA KLOR may be added to the plant misting or fogging systems to deodorize and to control odor causing bacteria, mold and mildew in food processing plants, dairies, bottling plants, poultry, meat and fish plants and animal facilities such as poultry houses, swine pens, calf barns and kennels.

Application Directions:

When fogging rooms with DURA KLOR care should be

taken not to exceed the TLV-TWA of 0.1 ppm (0.30 mg/m3). If the TLV-TWA is to be exceeded, turn off air handlers and vacate people and livestock from the rooms to be fogged or misted. Ventilate for 15 minutes prior to reentry.

(1) Mix 1.5 mL to 30 mL DURA KLOR per gallon of water. To this dilution, add a sufficient amount of 1 to 3% by weight of an aqueous food grade acid solution (phosphoric, citric, acetic, etc.) to lower the pH to 3.5 to 5.0.

(2) Allow this diluted mixture to react for at least 15 minutes before adding to the plant fogging or misting system.

(3) For best results, fogging or misting with diluted, acidified DURA KLOR should be done as close to the ceiling as possible.

NOTE – Be careful not to add concentrated acid solutions to undiluted DURA KLOR as high concentrations of chlorine dioxide gas may evolve. The concentration of chlorine dioxide in the diluted DURA KLOR solution should not be allowed to exceed 0.5 npm as determined by the Hach DPD method for chlorine dioxide detection. Please consult your Occidental Chemical Corporation representative for exact testing procedures before adding any acid to DURA KLOR. The use of DURA KLOR in fogging or misting should be accompanied by a regular air monitoring program.

• TO PREVENT CORROSION AND SLIME FORMATION IN OIL FIELD SECONDARY RECOVERY OPERATIONS: Application Directions

(1) Prepare a working solution by diluting each gallon of DURA KLOR to be used with 6 gallons injection water.

(2) Proportion 1 part of the diluted DURA KLOR solution into 130 to 140 parts reinjection water acidified to a pH of 3.0 to 4.0.

(3) Increase or decrease the dose rate of the DURA KLOR solution as indicated by monitoring the microbial quality of the water.

" POULTRY PROCESSING:

<u>Carcass sprays, dips, rinses:</u> DURA KLOR may be used as an equipment rinse and carcass spray or dip at a use rate of 0.7 to 1.7 ounces per gallon (500 - 1200 ppm sodium chlorite) in combination with any GRAS acid at levels sufficient to achieve a solution pH of 2.5 to 2.9.

<u>Chill water applications:</u> DURA KLOR is a source of sodium chlorite for treating poultry chill water and pre-chill water when used at a rate of 0.1 to 0.3 ounces per gallon on combination with any GRAS acid at levels sufficient to achieve a solution pH of 2.8 to 3.2.

• TO DISINFECT AND SANITIZE AGAINST ODOR CAUSING BACTERIA ON HARD NON-POROUS SURFACES, SUCH AS WALLS, CEILINGS, FLOORS, DRAINS, PIPELINES, COUNTERS, SINKS, TILES:

(1) Before disinfection or sanitization, remove gross debris food and beverages from the surfaces to be cleaned.

(2) Add 1 to 2 fluid ounces DURA KLOR per five (5) gallons of water to be used [100 - 200 ppm available chlorine dioxide; 21 CFR 178.1010 (b)(34), (c)(29)].

(3) The DURA KLOR solution may be applied by spraying, misting, pouring, or wiping onto the surface to be treated. Allow the DURA KLOR solution to contact the surface for at least 5 minutes before wiping off.

" TO CONTROLSLIME AND MOLD GROWTH ON FOOD PROCESS AND BEVERAGE CONVEYORS:

DURA KLOR may be sprayed on food process conveyors to control mold and slime build-up that leads to product contamination and possible belt slippage. Apply DURA

KLOR at a rate of 1 to 2 fluik either by itself or in combina based lubricant.

 FOR DEODORIZATION: DURA KLOR effectively elimit

source.

 Before deodorization, ren food and beverages for the ar
 Dilute a minimum of 0.5 f gallon of water to be used. For may be used undijuted.

(3) For room deodorization,

KLOR solution as needed. F KLOR as near to the cente possible.

(4) For surface deodorization, KLOR on the effected area a results, allow to air dry for 10 rinse surfaces treated with poi o TO CONTROL MOLD AND DURA KLOR is effective in r bathroom surfaces, shower rooms, hampers, and on of mildew may be present.

Before treatment, remove alfected surfaces. Remove al beverages form the vicinity.
 Dilute a minimum of 12 fl.

water to be used. For several be used undituted.

(3) Spray, mist, fog, pour or wit the surface to be treated. Allow surface for of least 5 minutes. dry. After 30 minutes, rinecessary.

STORAGE AND DISPOSAL: feed by storage or disposal.

PESTICIDE STORAGE: Do no acids, reducing agents, or com dry well-ventilated location av from freezing. Store upright ar pallet. A drum pump is rematerial. Keep drums tightly c in the original containers or a guard against cross-contan fertilizers, food and feed. Do r EMERGENCY HANDLING: decomposition, do not reseal c ventilated location. Flood with **PESTICIDE DISPOSAL: Wast** be disposed of on site or at an CONTAINER DISPOSAL: T containers and offer for recycl and dispose of in a sanitary approved by state and local au SPILLS: In case of spills, dilute flush to a designated sewer i federal, state and local regula may be flushed to a collection Comply with all applicable fec regarding spill notification rec

taken not to exceed the TLV-TWA of 0.1 ppm (0.30 mg/m3). If the TLV-TWA is to be exceeded, turn off air handlers and vacate people and livestock from the rooms to be fogged or misted. Ventilate for 15 minutes prior to Diological ained by reentry.

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fogging misting, pouring, or wiping onto the surface to be treated. Allow the DURA KLOR solution to contact the surface for lacteria, bottling at least 5 minutes before wiping off.

" TO CONTROLSLIME AND MOLD GROWTH ON FOOD facilities PROCESS AND BEVERAGE CONVEYORS: ns and

DURA KLOR may be sprayed on food process conveyors to control mold and slime build-up that leads to product contamination and possible belt slippage. Apply DURA

KLOR at a rate of 1 to 2 fluid ounces per 5 gallons of water either by itself or in combination with a non-reactive water based lubricant.

o FOR DEODORIZATION:

DURA KLOR effectively eliminates odors in the air and at their source

(1) Before deodorization, remove unopened and unwrapped food and beverages for the area to be treated.

(2) Dilute a minimum of 0.5 fluid ounces of DURA KLOR per galion of water to be used. For severe conditions, DURA KLOR may be used undiluted.

(3) For room deodorization, spray, pour, or wipe the DURA KLOR solution as needed. For best results, apply the DURA KLOR as near to the center of the area to be treated as nossible

(4) For surface deodorization, spray, pour, or wipe the DURA. KLOR on the effected area as often as necessary. For best results, allow to air dry for 10 minutes after treatment and then rinse surfaces treated with potable water.

o TO CONTROL MOLD AND MILDEW:

DURA KLOR is effective in controlling mold and mildew on bathroom surfaces, shower stalls, on curtains, in laundry rooms, hampers, and on other surfaces where mold and mildew may be present.

(1) Before treatment, remove gross filth and debris form the affected surfaces. Remove all open and unwrapped food and beverages form the vicinity.

(2) Dilute a minimum of 12 fl. oz. of DURA KLOR per gallon of water to be used. For several applications, DURA KLOR may be used undiluted.

(3) Spray, mist, fog, pour or wipe the DURA KLOR solution onto the surface to be treated. Allow the DURA KLOR to contact the surface for at least 5 minutes. Allow surfaces to drain and air dry. After 30 minutes, rinse with water. Repeat as necessary.

STORAGE AND DISPOSAL: Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Do not store this product with oxidizers, acids, reducing agents, or combustible materials. Store in a cool, dry well-ventilated location away from direct sunlight. Protect from freezing. Store upright and do not stack over two drums per pallet. A drum pump is recommended for transferring this material. Keep drums tightly closed when not in use. Store only in the original containers or approved storage containers and guard against cross-contamination with other pesticides, fertilizers, food and feed. Do not reuse containers.

EMERGENCY HANDLING: In case of contamination or decomposition, do not reseal container. Isolate in an open, wellventilated location. Flood with large volumes of water

PESTICIDE DISPOSAL: Wastes resulting from this product may be disposed of on site or at an approved waste disposal facility. CONTAINER DISPOSAL: Triple rinse (or equivalent) all containers and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

SPILLS: In case of spills, dilute with large quantities of water and flush to a designated sewer in accordance with all applicable federal, state and local regulations. Alternatively, this product may be flushed to a collection basin or container for disposal. Comply with all applicable federal, state and local regulations regarding spill notification requirements.