11/16/2005 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

November 16, 2005

Rose Bedwell Basic Chemicals Company, LLC 5005 LBJ Freeway Dallas, TX 75244

Subject: Technical Sodium Chlorite Solution 18.75

EPA Registration No. 5382-44

Submission Date: August 23, 2005 Receipt Date: August 23, 2005

Dear Ms. Bedwell:

The following amendment submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is accepted with conditions.

Conditions

- 1. Remove the child hazards warning statement "KEEP OUT OF REACH OF CHILDREN (KOROC)" from the First Aid section of the label. Place KOROC below the ingredient statement on the front panel of the label.
- 2. Remove the signal word "**DANGER**" from the First Aid section of the label. Place the signal word below the KOROC statement on the front panel of the label.

General Comments

A stamped copy of the labeling accepted with comments is enclosed. Submit one copy of your final printed labeling before distributing or selling the product bearing the revised labeling.

CONCURRENCES									
	SYMBOL	75/00				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	BURNAME)	Henson	'						
	DATE	11-16-05							
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EPA Form 1320-1A (1/90)

Printed on Recycled Paper

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

Sincerely,

Emily H. Mitchell Product Manager - Team 32 Regulatory Management Branch II Antimicrobials Division (7510C)

TECHNICAL SODIUM CHLORITE SOLUTION 18.75

and the state of t

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS DANGER. Corrosive. Causes in eversible eye damage and skin burns. Harmful if swallowed ill nitating to nose and throat. Do not get in eyes, on skin or on clothing. Wear protective eyewear (splashproof goggles); Wear protective clothing and rubber gloves when handling this product. Avoid breathing mists or fumes. Wash thoroughly with soap and water after handling. Remove contaminated coming and wash before reuse to avoid fire.

ENVIRONMENTAL HAZARDS

ENVIRONMENTAL HAZARDS

This product is toxic to fish, and injustic organisms. Do not discharge effluent containing in globulc into takes, streams, ponds, estuaries, oceans for 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 efficient containing this product to seewer systems with other course 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 dirty rags, or any other foreign to the

DIRECTIONS FOR USE
It is a violation of Federal Grant Type product in a manner inconsistent with its labeling Directions for Controlling title Growth of Algae in

Directions for Controlling the growth of Algae in Recirculating Cooling What Powers.

1. Clean bedry fouled systems bodge starting treatment. 2. When algae are visible, acc. at that dosage of 14 fluid ounces of Sodium Chlorides 50,000 gals. of water in the system. Repeat if necessary are control is evident. 3. Where algae control is evident, tissue subsequent dose of 7 fluid ounces of Sodium Chloride soll bromber 1,000 gals. of water in the system have a week of askerged to maintain control. the system twice a week or as needed to maintain control. 4.
Add Sodium Chlorite directly to the cooling tower drip pan (cold water basin) near the inlegation pre-recirculating pump.

Directions for Use in the Machanical Generation of Chlorine Dioxide as a Districtant or for Microorganism or Mollusk Control and as a Chambical Oxidant in Aquatic Systems.

Feed requirements: Feed rates of echnical Sodium Chlorite Solution 18.75 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.

> ACCEPTED with COMMENTS EPA Lefter Dated:

NOV 1 6 2005

Under the Federal Insecticide, Fungicide, and Rogenticide Act as amended, for the esticide, registered under EPA Reg. No. 5382-444

CTIVE INGREDIENT: Sodium Chlorite*		15%
OTHER INGREDIENTS:		85%
	Total:	
AVAILABLE CHLORINE		23.49

CONTAINS 1.55 LBS. OF SODIUM CHLORITE PER GALLON AT 70°F

KEEP OUT OF REACH OF CHILDREN DANGER FIRST AID

Hold eye open and rinse slowly and gently with water for 15ffin eves: 20 minuses. Remove contact lenses, if present, after the first 5 minutes

then continue missing eye. Call a poison control center or doctor immediately for reagment advice.

If on skin or Take of contaminated cicthing. clothing:

if inhaled:

Rinse skin immediately with plenty of water for 15-20

Call a poison control center or doctor for treatment advice if burning or imitation of the skin persists.

if smallowed: · Have person drink a glass of water immediately if able to

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

Do not induce vomiting unless told to do so by the poisor control center or doctor.

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

If count or difficulty in breathing develops, consult a

physician immediately, if person is not breathing, call 911 or an ambutance, then

give artificial respiration.

Call a poison control center or doctor for further treatment achrico

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.

Manufactured By:



24-Hour Emergency No: 1-800-733-3665 CHEMTREC Emergency No: 1-800-424-9300

EPA Reg. No. 5382-44 EPA Est. 5382-KS-1 Gals. Net (_____

Some examples of industrial applications of chlorine dioxide include:

- · Potable water disinfection and removal of suffide.
- · Control of bacterial slime and algae and mollusks in industrial recirculating and one-pass cooling systems.
- · Biocontrol in food processing flumes, water-using equipment, cooling water, and recycled waters.
- Disinfection of sewage and plant wastes.
- · Destruction of phenolics, simple cyanides and suitides by chemical oxidation.
- · Bacterial slime control in white water paper mill systems
- Bacterial control in oil well and petroleum systems.

See product bulletins (or Technical Data Sheets) for specific application instructions. Your Basic Chemicals Company representative can guide you in the application techniques.

Method of feed: Large amounts of chlorine dioxide can be generated by two common methods, including:

- 1. The chlorine method which utilizes a Sodium Chlorite solution and chlorine das, or
- 2. The hypochlorite method which utilizes a Sodium Chlorite solution, a hypochlorite solution, and an

Your Basic Chemicals Company representative can quide you in the selection, installation and operation for feed systems. Consult product bulletin and also the instructions on the chlorine dioxide generation system before using Technical Sodium Chlorite Solution 18.75.

User is responsible for compliance with applicable Federal, state and local taws regarding proper use and disposal of the chlorine dioxide generated.

Directions for Use in Controlling Microbial Population in Poultry Processing Water

Chlorine dioxide generated from Technical Sodium Chlorite Solution 18.75 may be used as an antimicrobial agent in water used in poultry processing, provided that the residual concentration of chlorine dioxide does not exceed 3 ppm. as determined by an appropriate method in accordance with 21CFR§173.300.

For treatment of poultry chili water, apply Technical Sodium Chlorite Solution 18.75 as necessary through a chlorine dioxide generation system to maintain a residual concentration of up to 3 parts per million (ppm) chlorine dioxide in the chiller water.

Food Plant Process Water Treatment

Chlorine dioxide generated from sodium chlorite is effective for use in controlling microbiological growth in flume water and other food processing water systems such as chill water systems and hydrocoolers. The required dosages will vary with process conditions and the degree of contamination present. Depending on the requirements of the specific water system, sodium chlorite should be applied continuously or intermittently through a chlorine dioxide generating system to achieve a chlorine dioxide residual concentration between 0.25 and 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.

Industrial Cooling Water Treatment

For control of bacterial slime and algae in industrial recirculating and one-pass cooling systems, the required dosages will vary depending on the exact application and the degree of contamination present. The required chlorine dioxide residual concentrations range between 0.1 and 5.0 ppm. Chlorine dioxide may be applied either continuously or intermittently. The typical chlorine dioxide residual concentration range is 0.1 - 1.0 porn for continuous doses. and 0.1 - 5.0 ppm for intermittent doses. The minimum acceptable residual concentration of chlorine dioxide is 0.1 porn for a minimum one minute contact time.

Potable Water Treatment

Chlorine dioxide (CIO₂) is used as both an oxidant and a disinfectant in drinking water treatment. The required dosages will vary with source water conditions and the degree of contamination present. For most municipal and public potable water systems, a chlorine dioxide residual concentration of up to 2 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.

Bacterial Slime Control in Paper Wills

Chlorine dioxide generated from sodium chlorite is effective for use in controlling microbiological growth in white water paper mill systems. The required dosages will vary with the degree of microbiological and process contamination present. Depending on the specific requirements of the system, sodium chlorite should be applied continuously or intermittently through a chlorine dioxide generating system to achieve a chlonne dioxide residual concentration between 0.1 and 5.0 ppm. Intermittent treatments should be repeated as often as necessary to maintain control.

Mollusk Control in Water Systems

Chlorine dioxide generated from sodium chlorite may be used for mollusk control in commercial and industrial recirculating and one-pass cooking water systems. The required dosages will vary with the system type, system conditions, the degree of water contamination present and the desired level of control. Depending on the extent of the infestation, sodium chlorite may be applied either continuously or intermittently through a chlorine dioxide generating system to achieve the necessary chlorine dioxide residual concentration.

Veliger Control: Maintain a continuous chlorine dioxide residual of 0.1 - 0.5 ppm.

intermittent Dose: Apply chlorine dioxide to obtain a chlorine dioxide residual concentration of 0.2 - 25 ppm. Repeat as necessary to maintain control.

Continuous Dose: Maintain a chlorine dioxide residual concentration of up to 2 ppm.