

June 16, 2004

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

Subject: Chlorine
EPA Registration No. 935-8
Application Date: March 11, 2004
Receipt Date: March 17, 2004

Dear Mr. Christensen:

The following amendment for a revised label per PR Notice 2001-1, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable with the conditions listed below:

Conditions

- 1. Revise the Ingredient statement as follows:

Active Ingredient: Chlorine 99.5%
Other Ingredients 0.5%

- 2. The first sentence of the Environmental Hazards statement should be revise to read "This product is toxic to fish and aquatic organisms."

- 3. The Precautionary Statement should read:

HAZARDS TO HUMAN AND DOMESTIC ANIMALS:

DANGER. Fatal if inhaled or absorbed through the skin. Corrosive. Causes irreversible eye damage and skin burns. Do not breathe vapors or get in eyes, on skin or clothing. Wear goggles, protective clothing and rubber gloves as discussed below. Wash hands thoroughly with soap and water after handling and before eating drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse. Prolonged frequently repeated skin contact may cause allergic reactions in some individuals.

CONCURRENCES

SYMBOL	7510C						
SURNAME	Mitchell						
DATE	6-16-04						

This is the required statement per the chlorine gas Reregistration Eligibility Document (RED). Information regarding the acute toxicity of this product is located in the RED.

4. *The broad term "etc." has been removed from the "Use In Manufacturing Processes" section. Chlorine gas has specific use sites/patterns for which it is registered.*

General Comments

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

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

Sincerely,

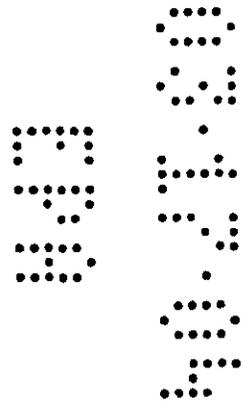
*Emily H. Mitchell
Product Manager - Team 32
Regulatory Management Branch II
Antimicrobials Division (7510C)*

DRAFT

OxyChem®

CHLORINE LIQUEFIED GAS UNDER PRESSURE

ACTIVE INGREDIENT:
 Chlorine..... 99.5%
 INERT INGREDIENTS:..... 0.5%
 Total 100%



DANGER  **POISON**

FATAL IF INHALED, LIQUID CAUSES SEVERE BURNS
 APPROXIMATE NET CONTENTS: 17.55 or 90 TONS

PRECAUTIONARY STATEMENTS

FIRST AID	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give basic life support (Cardio-Pulmonary) Resuscitation/Automatic External Defibrillator). • Call a poison control center or doctor for further treatment advice
If in eyes	<ul style="list-style-type: none"> • Hold 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 poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Remove contaminated clothing. • Rinse exposed area immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • 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.
<p>HOT LINE NUMBER Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-733-3665 for 24-hour emergency medical treatment information</p> <p>NOTE TO PHYSICIAN Treatment is symptomatic. Because there is no known antidote for chlorine gas inhalation, effective and immediate relief of symptoms is the primary goal. Steroid therapy, if given early, has been reported effective in preventing pulmonary edema.</p>	

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER. Fatal if inhaled. Corrosive. Causes irreversible eye damage and skin burns. Do not breathe gas or get in eyes, on skin or clothing. Wear goggles, protective clothing and rubber gloves as discussed below. Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash it before reuse.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear long-sleeved shirts, long pants, shoes and socks. Under normal use conditions, no protective eyewear or gloves are required.

IN CASE OF LEAK:

Handlers must wear chemical-resistant, water-proof, insulated gloves (such as nitrile or butyl), rubber boots and full face respirator approved for chlorine (MSHA/NIOSH approval number prefix TC-14G) or self-contained breathing apparatus if the chlorine concentration is unknown or exceeds 10 ppm. Since there is always the possibility of a leak, proper gloves and respirators must be available.

ACCEPTED
 with **COMMENTS**
 EPA Letter Dated:
 JUN 16 2004

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. **935-8**

PRECAUTIONARY STATEMENTS (Cont.)

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ENVIRONMENTAL HAZARDS

This chemical pesticide is highly toxic to fish and aquatic invertebrates. 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.

DIRECTIONS FOR USE - GENERAL CLASSIFICATION	
It is a violation of Federal law to use this product in a manner inconsistent with the labeling.	
USE AS A DISINFECTANT , by experienced personnel only, in municipal water supplies, sewage and waste management plants, in accordance with applicable local, state and federal regulations.	
USE IN MANUFACTURING PROCESSES , by trained personnel only, in production of bleach, plastics, chlorinated solvents, refrigerants, and intermediates for products containing no chlorine. Proper training in safety and use of protective equipment are essential. Well designed and maintained handling and processing facilities are required.	

STORAGE AND DISPOSAL

HANDLING AND STORAGE: Provide special training to workers handling chlorine. Protect from physical damage. Do not place chlorine containers near heat or fire. Handling and storage of chlorine containers should be in accordance with all local, state, and federal regulations. Regularly test and inspect piping and containment used for chlorine service. Liquid levels should be 85% of tank or cylinder capacity. Use in well ventilated area.

IN THE EVENT OF FIRE: Remove chlorine containers from fire zone immediately. Use water to keep containers cool which cannot be moved, but do not use water on the source of a chlorine leak. Use water spray to direct chlorine away from persons effecting shut-off. Wear full protective clothing and self-contained breathing apparatus.

DISPOSAL: Vent waste chlorine gas into scrubber using dilute alkali solution. Dispose of resultant hypochlorite in accordance with local, state and federal regulations. Return empty chlorine tankcars and cargo tanks containing residual gas and/or liquid to supplier in compliance with applicable DOT regulations.

Consult Chlorine Institute pamphlets for additional instructions and management procedures.

FOR ASSISTANCE IN CHEMICAL EMERGENCY, CALL CHEMTREC 800-424-9300

Spills of 10 pounds or more must be reported to the NATIONAL RESPONSE CENTER 1-800-424-8802

UN 1017 HMS HAZARD RATING: HEALTH..... 3 FLAMMABILITY..... 0 REACTIVITY..... 1	CAS No. 7782-50-5 NFPA FIRE HAZARD RATING
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- EPA REG. NO. 935-8
- EPA EST. NO. 935 AL-001 EPA EST. NO. 935 AL-002
- EPA EST. NO. 935 NY-001 EPA EST. NO. 935 DE-001
- EPA EST. NO. 935 TX-001 EPA EST. NO. 935 LA-002
- EPA EST. NO. 935 LA-001 EPA EST. NO. 935 TX-002
- EPA EST. NO. 935 TX-003



Occidental Chemical Corporation
Dallas, Texas 75380
972-404-3800

Certified to ANSI/NSF Standard 60
Maximum Use Level for Potable Water 30.0 mg/L

Label: EPA Chlorine M30816tgUSR01