

May 27, 2004

Cristina Griffin
Delta Analytical Corp.
7910 Woodmont Avenue
Suite 1000
Bethesda, MD 20814

Subject: NEXEN CHEMICALS USA
Chlorine
EPA Registration No. 69874-5
Application Date: March 1, 2004
Receipt Date: March 5, 2004

Dear Ms. Griffin:

The following amendment 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. The phrase "**FATAL IF INHALED. LIQUID CAUSES SEVERE BURNS**" must be added to this label.
2. Revise the first sentence under the Hazard to Humans and Domestic Animals statement to read:

DANGER. Fatal if inhaled or absorbed through 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 or frequently repeated skin contact may cause allergic reactions in some individuals.**

3. Revise the Chemical/Physical Hazards section to read:

Chlorine is a non-flammable gas, liquified, under pressure. Do not drop container. Do not heat container. Keep away from intense heat or open sunlight.

CONCURRENCES

SYMBOL	7510C							
SURNAME	Mitchell							
DATE	5-27-04							

4. *Add the Personal Protective Equipment requirements as follows:*

In Case of Spill or Leakage:

Under normal use-conditions, no protective eyewear, respirator, or gloves are required. However, in case of a spill or leak, handlers must wear chemical-resistant gloves (such as nitrile or butyl) and a full-face canister-style (gas mask) respirator with a canister approved for chlorine (MSHA/NIOSH approval number prefix TC-13F). Since there is always the possibility of a spill or leak, gloves and a respirator of a type specified above must be available and are required for anyone entering into an affected area in the event of a leak or spill.

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 call Wanda Mitchell at (703) 308-6345.

Sincerely,

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

nexen

3/4

Chlorine - Manufacturing Use

LIQUEFIED GAS UNDER PRESSURE
NON FLAMMABLE

ACTIVE INGREDIENT:	
Chlorine	99.9%
OTHER INGREDIENTS:	0.1%
TOTAL	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER



POISON

ACCEPTED
with COMMENTS
EPA Letter Dated:

MAY 27 2004

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide, registered under EPA Reg. No. 69874-5

HAZARDOUS LIQUID AND GAS UNDER PRESSURE
MAY CAUSE CHEMICAL PNEUMONIA AND EVEN DEATH IN HIGH CONCENTRATIONS
MAY CAUSE SEVERE IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT
LIQUID MAY BURN EYES AND SKIN
CAN REACT EXPLOSIVELY WITH ORGANIC PRODUCTS

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER: Fatal if inhaled or absorbed through 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. Wash hands thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash before reuse.
Personal Protective Equipment: Handlers must wear long-sleeved shirts, long pants, shoes, and socks and use a NIOSH/MSHA approved respirator where vapor may be generated.
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-PHYSICAL HAZARDS
 Chlorine is a non-flammable gas, liquified, under pressure. Do not heat container. Avoid contact with organic products to prevent explosive reaction. Corrosive to most metals in presence of moisture.

FIRST AID	
If in eyes:	<ul style="list-style-type: none"> 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 poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> 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 inhaled:	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> Call a 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.

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 the Poison Center at 1-800-222-1222 for emergency medical treatment.

4/4

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Refer to the "Chlorine Manual" published by The Chlorine Institute, Inc., for instructions on safety procedures. Before working with this product, handlers must be trained how to appropriately use respirators that conform to OSHA requirements (described in 29 CFR Part 1910.134) and how to appropriately handle and use chlorine. This product, including dispensing equipment, must be handled and used in accordance with the practices specified by all applicable product labeling and the "Chlorine Manual" published by The Chlorine Institute, Inc. Use only in well ventilated areas. Only for formulation into disinfectant, sanitizer, algacidal, bactericidal, and fungicidal products for the following uses: swimming pool water treatment, industrial water treatment systems, hard surface disinfectants, hard non-food contact surface sanitizers, human drinking water treatment, disinfectant for treatment of sewage and waste water effluent, and for sanitizing use of fruits and vegetable wash water treatment.

STORAGE AND DISPOSAL

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

Storage: Do not place chlorine containers near heat or fire. Store remote from other chemicals.

Pesticide Disposal: 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.

Container Disposal: Return empty chlorine tankcars and cargo tanks containing residual gas and/or liquid to the supplier in accordance with applicable DOT regulations. All valves must be closed tight and closures or caps secured. If container is damaged, or if the contents are leaking notify the supplier immediately. It is illegal to ship a leaking chlorine container.

Handling: Provide special training to workers handling chlorine. Handling and storage of chlorine containers should be in accordance with 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.

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 source of a chlorine leak. Use water spray to direct chlorine away from persons affecting shut-off. Wear full protective clothing and self-contained breathing apparatus.

**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**

**APPROXIMATE NET CONTENTS: 55 or 90 TONS
EPA REG. NO. 69874-5
MADE IN CANADA
EPA EST. NO. 69413-CAN-001**

UN 1017
HMIS HAZARD RATING
 HEALTH 3
 FLAMMABILITY 0
 REACTIVITY 0

CAS No. 7782-50-5

NSF

C Certified to ANSI/NSF Standard 60

Maximum Use Level for
Potable water 3.0 mg/l

nexen

Nexen Chemicals USA
#400, 450 Gears Road, Houston, TX 77067 • 1-800-699-6924