

05/28/2009

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460



United States
Environmental Protection
Agency

Office of Pesticide Programs

MAY 28 2009

Ed Higbee
Director – Regulatory, Health & Safety
Univar USA Inc.
17425 NE Union Hill Road
Redmond, WA 98052

FILE COPY

Subject: Chlorine
EPA Registration No. 550-200
Application Date: April 24, 2009
Receipt Date: May 11, 2009

Dear Mr. Higbee:

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

Proposed Notification:

- Revision of Storage and Disposal Statement per PR Notice 2007-4

General Comments:

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

1. The notification is acceptable and a copy has been inserted in your file for future reference.
2. The Agency does not stamp labels submitted by notification. You must submit the proposed label changes as an amendment.

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

Sincerely,

Wanda Y. Henson
Product Reviewer (32)
Regulatory Management Branch II
Antimicrobials Division (7510P)

Please read instructions on reverse before completing form.

Form Approved

OMB No. 2070-0060

Print Form



United States
Environmental Protection Agency
Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 550-200	2. EPA Product Manager Emily Mitchell	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Chlorine	PM# 32	
5. Name and Address of Applicant (Include ZIP Code) Univar USA Inc. 17425 NE Union Hill Road Redmond, WA 98052 <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. _____ Product Name _____	

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.)
Notification of label change per PR Notice 2007-4. See attached Notification Certification statement.
Label is amended to include new required Storage and Disposal Statements.

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	<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		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container		
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 Karina Gilje	Title Regulatory Manager	Telephone No. (Include Area Code) 425-889-3496
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 Director - Regulatory, Health, & Safety	
4. Typed Name Ed Higbee	5. Date Apr 27, 2009	

Univar USA Inc.
17425 NE Union Hill Rd.
Redmond, WA 98052
PO Box 34325
Seattle, WA 98124-1325 USA
T 425 889 3496
F 425 889 3746
www.univarusa.com



April 27, 2009

VIA CERTIFIED MAIL

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504P)
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue N.W.
Washington, DC 20460-0001

RE: Chlorine
EPA Reg. No. 550-200
Notification of Label Amendment per PR Notice 2007-4

Please find enclosed, a completed Application for Pesticide Registration (EPA Form 8570-1), a Notification Certification Statement, and one copy of the amended label with changes clearly marked. Changes are made to the Storage and Disposal statement on our Chlorine label, EPA Reg. No. 550-200, per PR Notice 2007-4. Univar elected to adopt exact wording as set forth in the regulations and in the PR Notice. If acceptable, please provide an EPA Stamped Accepted label copy.

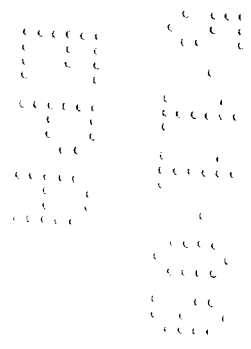
Thank you for your assistance. If you have any questions concerning this notification or require any additional information, please don't hesitate to contact me at (425) 889-3496.

Sincerely,

Karina Gilje
Regulatory Manager

Enclosures

CC: Ed Higbee



FRONT

4/7

CHLORINE LIQUEFIED GAS UNDER PRESSURE NON FLAMMABLE



FOR USE AS A DISINFECTANT AND ALGAEICIDE, by experienced personnel only, in municipal water supplies, sewage and waste management plants, industrial applications, and commercial swimming pools.

ACTIVE INGREDIENT: CHLORINE 99.5%
INERT INGREDIENTS: 0.5%

KEEP OUT OF REACH OF CHILDREN

DANGER POISON



FATAL IF INHALED. LIQUID CAUSES SEVERE BURNS

FIRST AID: If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further 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.

If In Eyes: Hold eye open, rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

If Swallowed: 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.

For Emergency Assistance call CHEMTREC day or night at (800) 424-9300.

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 clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT

Handlers must wear long-sleeved shirts, long pants, shoes and socks. 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-14G) or a self-contained breathing apparatus (SCBA) (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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic or 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.

PHYSICAL AND CHEMICAL HAZARDS: Chlorine is a non-flammable gas, liquefied, under pressure. Do not drop container. Do not heat container. Keep away from intense heat or open sunlight. Corrosive to most metals in the presence of moisture.



Maximum Use For Potable Water: 30mg/L
Certified to ANSI/NSF 60

DIRECTIONS FOR USE GENERAL CLASSIFICATION

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 for instructions on the required product use and 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 by all applicable product labeling and the Chlorine Manual published by the Chlorine Institute. Use only in well ventilated areas.

STORAGE AND DISPOSAL

Refillable container. Refill this container with chlorine only. Do not reuse this container for any other purpose. Store cylinders and ton containers in a dry area away from sources of heat and protected from direct sunlight and precipitation. Do not store in excessive heat. Segregate chlorine containers from other compressed gases, and never store near hydrocarbons, finely divided metals, turpentine, ether, anhydrous ammonia, or other flammable materials. All storage containers and cylinders must have a weather resistant label and must not be accessible to the general public. Do not drop container. If container is damaged or leaking, refer to procedures in the Chlorine Manual published by the Chlorine Institute and/or notify supplier immediately. Do not contaminate water, food, or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law.

LEAK PROCEDURES

Leak Procedures: Make a daily inspection for leaks. Stop a leak at once, since it will become worse with time. In case of a leak, evacuate everyone from the immediate area. For entry into the affected area to correct problem, wear personal protective equipment (including prescribed respirators) specified in the Hazards to Humans section of this labeling. When possible, move leaking or damaged cylinders outdoors or to an isolated location. Observe strict safety precautions. Work upwind, if possible. Allow any liquid chlorine to evaporate. Only correctly trained and Personal Protective Equipment (PPE) - equipped handlers are permitted to perform such cleanups. Do not permit entry into the leak area by any other person until chlorine has completely dispersed.

DISPOSAL OF CONTAINER:

Container is returnable and must be properly identified with return tag and returned as promptly as possible to supplier according to prescribed instructions and practices in the Chlorine Manual published by the Chlorine Institute. All valves must be closed tight and closures or caps secured. It is illegal to ship a leaking chlorine container.

EPA REG. NO. 550-200 EPA EST. NO. 00550- PA-004

Return Empty Cylinders To:
Univar USA Inc.
532 East Emaus St.
Middletown, PA 17057

Packaged in:
Univar USA Inc.
532 East Emaus St.
Middletown, PA 17057

Univar USA Inc.
17425 NE Union Hill Road
Redmond, WA 98052-3375
(425) 889-3400

Net Weight: 150#

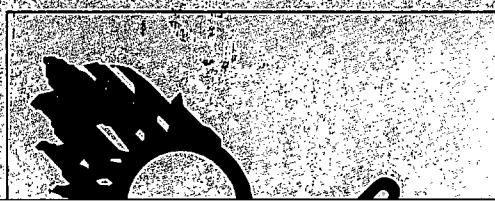
DOT Shipping Description: RQ, UN1017, Chlorine, 2.3, (5.1, 8), Poison Inhalation Hazard, Hazard Zone B.

NOTIFICATION
Data Returned: 5/28/09
Reviewed By: [Signature]

INHALATION HAZARD
2

CORROSIVE
3

Reorder # CTHB 150# (5/09)



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-14G) or a self-contained breathing apparatus (SCBA) (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.

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This pesticide is toxic or 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.

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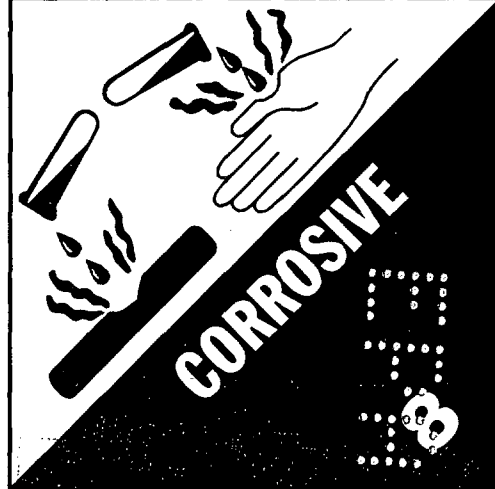
Return Empty Cylinders to:
Univar USA Inc.
532 East Emaus St.
Middletown, PA 17057

Packaged in:
Univar USA Inc.
532 East Emaus St.
Middletown, PA 17057

Univar USA Inc.
17425 NE Union Hill Road
Redmond, WA 98052-3375
(425) 889-3400

Net Weight: 150#

DOT Shipping Description: RQ, UN1017, Chlorine,
2.3, (5.1, 8), Poison Inhalation Hazard,
Hazard Zone B.



Reorder # CTHB 150# (5/09)



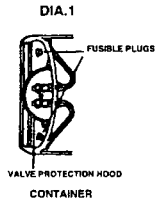
BACK

6/7

CHLORINE LIQUEFIED GAS UNDER PRESSURE NON FLAMMABLE



TON CONTAINER

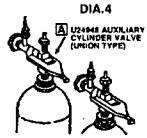
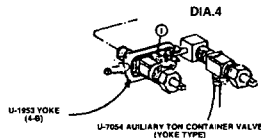
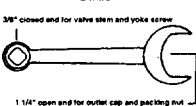
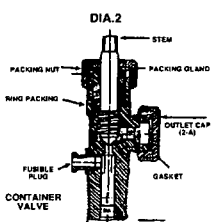
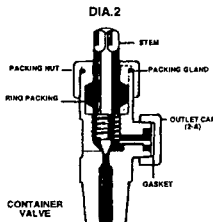


VALVE PROTECTION HOOD CONTAINER

CYLINDER



VALVE PROTECTION HOOD CONTAINER



DO NOT REMOVE THIS TAG

GENERAL INSTRUCTIONS

Ton chlorine containers have two valves in one head; in the horizontal position, with valves in a vertical line, they will deliver gas from the upper valve and liquid from the lower valve.

Connection of containers discharging liquid to a manifold is not recommended. NEVER CONNECT TO A GAS MANIFOLD A NEW CONTAINER THAT IS NOT THE SAME TEMPERATURE AS OTHER CONTAINERS CONNECTED IN THE SYSTEM.

Use chlorine containers in order received.

Weigh container on a platform scale when unloading.

NEVER HEAT CHLORINE CONTAINERS OR VALVES, DO NOT PLACE THEM IN A HOT WATER BATH TO INCREASE DISCHARGE RATES.

Be sure no water or other liquid is sucked back into container due to pressure differences, especially when it is nearly empty. NEVER LEAVE CONTAINER VALVES OPEN WHEN CHLORINE IS NOT BEING USED.

Use only valves, gages, regulators, fittings, piping, etc., recommended for chlorine service.

Notify the chlorine supplier promptly of damaged containers. NEVER TAMPER WITH FUSIBLE PLUGS OR ATTEMPT TO ALTER OR REPAIR CONTAINERS OR VALVES.

IN CASE OF EMERGENCY CALL CHEMTREC DAY OR NIGHT 1-800-424-9300

USING CHLORINE IN CONTAINERS

(See Diagrams 1-4) CONNECTING AND DISCONNECTING Use 500 Psig Copper Tubing Fitted With Special Adapter (4-A for Cylinder, 4-B for

Ton Container) to connect container to piping system. To connect line to container, remove valve protection hood (1). Check to ensure cylinder valve is closed; valve closes clockwise. Adjust packing nut to 1/4 to 1/2 turn past hand tight. Note: The packing nut is tightened by turning it clockwise. Remove valve outlet cap (2-A). Then use wrench (3) shown to attach tubing to valve with yoke. Use new gasket supplied with container each time connections are made. Make sure connections are tight. Close auxiliary valve, open cylinder valve one-half turn counterclockwise and then close immediately. Test for leaks with ammonia vapor. Appearance of white vapor indicates a chlorine leak. If a leak is indicative, tighten yoke and retest. If leak persists, remove gasket and replace with a new gasket. Retest using the above procedure. If no leaks are detected, open auxiliary valve one turn and cylinder valve one turn. Don't use container valve (2) to regulate the chlorine flow. Use of valve for flow-control may wear valve seat so that it cannot be tightly closed. NEVER FORCE THE VALVE STEM. Hit wrench handle with the heel of the hand to loosen a stuck valve stem. NEVER USE A HAMMER OR OTHER IMPLEMENTS FOR THIS PURPOSE.

Packing nut may be loosened slightly to relieve tight stem, but retighten promptly to avoid leak. To disconnect, close cylinder valve (2) CLOSE AUXILIARY VALVE, DISCONNECT TUBING AND YOKE. Test for leaks. Apply valve outlet cap (2-A) with gasket and tighten. Replace valve protection hood (1) on container. Plug or cap the open end of the chlorine line immediately to keep out moisture.

EPA REG. NO. 550-200 EPA EST. NO. 00550-PA-004

Return Empty Cylinders To: Univar USA Inc. 532 East Emaus St. Middletown, PA 17057

Packaged in: Univar USA Inc. 532 East Emaus Middletown, PA 17057

Univar USA Inc. 17425 NE Union Hill Road Redmond, WA 98052-3375 (425) 889-3400

Net Weight: 150#

DOT Shipping Description: RQ, UN1017, Chlorine, 2.3, (5.1, 8), Poison Inhalation Hazard, Hazard Zone B.



INHALATION HAZARD

2



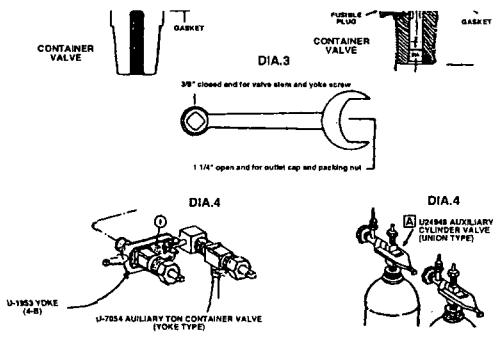
CORROSIVE

3

Reorder # CTHB 150# (5/09)



7/7



**IN CASE OF EMERGENCY CALL
CHEMTREC DAY OR NIGHT
1-800-424-9300**

To disconnect, close cylinder valve (2)
CLOSE AUXILIARY VALVE, DISCONNECT
TUBING AND YOKE. Test for leaks. Apply
valve outlet cap (2-A) with gasket and
tighten. Replace valve protection hood (1)
on container. Plug or cap the open end of
the chlorine line immediately to keep
out moisture.

**USING CHLORINE IN CONTAINERS
(See Diagrams 1-4)
CONNECTING AND DISCONNECTING**
Use 500 Psig Copper Tubing Fitted With
Special Adapter (4-A for Cylinder, 4-B for

EPA REG. NO. 550-200 EPA EST. NO. 00550-PA-004

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Univar USA Inc.
17425 NE Union Hill Road
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(425) 889-3400

Net Weight: 150#

**DOT Shipping Description: RQ, UN1017, Chlorine,
2.3, (5.1, 8), Poison Inhalation Hazard,
Hazard Zone B.**

DO NOT REMOVE THIS TAG

Reorder # CTHB 150# (5/09)