


(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number <b>185422</b>
	Application for Pesticide:		
	Section I		

1. Company/Product Number <b>5382-38</b>	2. EPA Product Manager <b>R. Douglas</b>	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) <b>Vulcan Chlorine</b>	PM# <b>32</b>	
5. Name and Address of Applicant (include ZIP Code) <b>Vulcan Chemicals P.O. Box 530390 Birmingham, AL 35253-0390</b> <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 _____

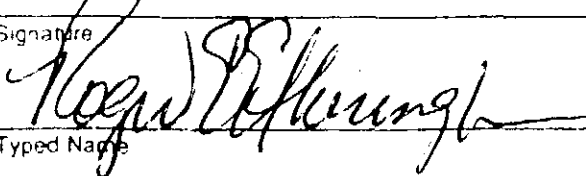
Section II	
<input type="checkbox"/> Amendment - Explain below	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below	<input type="checkbox"/> Other - explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II)

**NOTIFICATION OF REVISION TO ENVIRONMENTAL HAZARDS STATEMENT PER PR NOTICE 93-10**

This notification is consistent with the provisions of PR Notice 95-2 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 this product. 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 95-2 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section III			
1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input checked="" 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 Package wgt. No. per container	If "Yes," Package wgt. No. per container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) of Retail Container <b>Bulk, 2000 lb cylinder</b>	
5. Location of Label Directions <input checked="" 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 checked="" type="checkbox"/> Other ( <b>tagged</b> )	

Section IV		
1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name <b>Roger E. Etherington</b>	Title <b>Principal Technical &amp; Environmental Representative</b>	Telephone No. (Include Area Code) <b>205/877-3405</b>
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 <b>Principal Technical &amp; Environmental Representative</b>	
4. Typed Name <b>Roger E. Etherington</b>	5. Date <b>September 29, 1995</b>	

# Vulcan CHLORINE

LIQUEFIED GAS UNDER PRESSURE  
NONFLAMMABLE

For use as a disinfectant and/or algicide by experienced personnel only, in municipal water supplies, sewage and waste management plants, and in commercial and industrial swimming pools; as a slimeicide in water cooling systems and in paper mills; and in repackaging into portable cylinders. Repackagers must obtain their own registration with the Environmental Protection Agency.

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

KEEP OUT OF REACH OF CHILDREN

**DANGER**  **POISON**

First Aid: If inhaled, remove patient to fresh air. It may be necessary to remove clothing. Keep warm by covering with a blanket and keep quiet. Call a physician. If not breathing, administer artificial respiration immediately. If breathing is difficult, give oxygen. In case of contact, immediately flush skin or eyes with water for at least 15 minutes while removing contaminated clothing and shoes.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

**DANGER:** Hazardous liquid and gas under pressure. May be fatal if inhaled. Causes severe burns. Corrosive to eyes, skin and mucous membranes in presence of moisture. Harmful if absorbed through skin. Keep away from heat and open flame. Do not breathe gas. Use with adequate ventilation. Do not get in eyes or on skin or on clothing. Wash thoroughly after handling. Keep upwind of leak. Evacuate enclosed places until gas has dispersed. Make daily inspections for leaks. Stop leak at once since it will become worse with time.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish. 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.

**CHEMICAL AND PHYSICAL HAZARDS:** Chlorine is a nonflammable gas. In the container it is a liquefied gas under pressure. Do not drop container. Keep away from intense heat or open sunlight. Corrosive to most metals in the presence of moisture. Chlorine is an oxidizer and should not be stored near flammable materials.

## DIRECTIONS FOR USE GENERAL CLASSIFICATION

It is a violation of federal law to use this product in a manner inconsistent with the labeling. Have available gas masks approved by the Mine Safety and Health Administration or the National Institute for Occupational Safety and Health. Handle and use only in accordance with practice recommended in the *Chlorine Manual* published by the Chlorine Institute Inc. Use only in well ventilated areas.

Only specifically designed dispensing equipment should be used in accordance with manufacturer's instructions and according to state regulatory agency recommendations for dosages or residual chlorine levels which should be maintained for each specific site of application.

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MANUFACTURED BY:

**Vulcan Chemicals** / A DIVISION OF VULCAN MATERIALS COMPANY  
P O Box 530390, Birmingham, AL 35253 0390

EPA Reg. No. 5382-38  
EPA Est. No. 5382-KS-1

Net Weight \_\_\_\_\_ Tons

7/95

VMC-3646

# CHLORINE

## STORAGE AND DISPOSAL

Do not contaminate food or animal feed by storage or disposal.

Chlorine tankcars should be segregated from other compressed gases, hydrocarbons, turpentine, anhydrous ammonia or other flammable materials. All tankcars must have a weather resistant label attached near outlet valve and must not be accessible to general public. Empty tankcars should be returned immediately to the supplier. Tankcars must comply with DOT regulations, including closure of all angle valves with plugs installed, placarding, and shipping descriptions on bill of lading. Regulations prohibit shipment of chlorine tankcars which are leaking or have emergency leak containment devices installed.

### TANK CAR UNLOADING

Chlorine tankcars should be spotted on level track, with wheels properly blocked and "Tank Car Connected" signs at each end of tankcar. Tankcar should be attended during all unloading operations.

Five valves are mounted on the manway cover inside the housing. The center valve is a safety relief valve, the other four valves are angle valves. The two angle valves inline with the length of the car discharge liquid chlorine. The two angle valves at right angles to the length of the car are connected to the vapor phase.

#### CONNECTIONS:

- (1) Be certain that the discharge valves are completely closed before removing valve outlet plugs. Make sure that both packing gland nuts at base of valve stem are tight. (Do not over-tighten)
- (2) Unloading should be done through a suitable flexible connection which will accommodate the rise of the car on its springs as it is unloaded.
- (3) Make certain all connections are tight, then open chlorine valve cautiously to test system for leaks.
- (4) Never use car angle valve to control chlorine flow. The valve must be completely open to allow excess flow valve to operate if unloading line is severed.

#### DISCONNECTING:

- (1) When car is empty, close angle valves completely. Allow discharge line to empty (de pressure) before closing other valves in system.
- (2) Disconnect the unloading lines and immediately replace the valve outlet plug.

### EXCESS FLOW VALVES

The internal dip legs below the liquid angle valves contain excess flow valves. They close if the rate of discharge becomes excessive and may close if angle valve is opened too rapidly. To release:

- (1) Close the car angle valve to equalize pressure.
- (2) If that fails, tap top of manway cover plate using steel rod and a WOODEN mallet while valve is closed. Never strike valve or valve stem.
- (3) When excess flow valve opens, a sharp click is usually heard.

In case of unloading problem contact  
Vulcan Chemicals  
205-877-3459

In case of chlorine emergency contact:  
CHEMTREC  
800-424-9300

#### MANUFACTURED BY:

**Vulcan Chemicals** / A DIVISION OF VULCAN MATERIALS COMPANY  
P O Box 530390, Birmingham, AL 35253-0390

**DO NOT REMOVE THIS TAG**