

Vulcan Chemicals
P.O. Box 7689
Birmingham, AL 35253

AUG 28 1986

Attention: R.E. Odle

Gentlemen:

Subject: Vulcan Chlorine
EPA Registration No. 5382-38
Your Submission Dated October 29, 1985

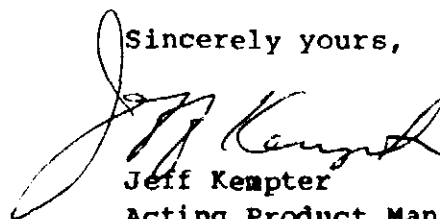
The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Make the labeling changes in accordance with the enclosed edited label before you release the product for shipment bearing the amended labeling.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



Jeff Kempter
Acting Product Manager (32)
Disinfectants Branch
Registration Division (TS-767C)

Enclosures

90113:Jenkins:C-11:KENCO:8/20/86:9/1/86:sj:VO

| CONCURRENCES | | | | | | | | |
|--------------|--|--|--|--|--|--|--|--|
| SYMBOL ▶ | | | | | | | | |
| SURNAME ▶ | | | | | | | | |
| DATE ▶ | | | | | | | | |

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 Ingredients: 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 AND 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. Wear goggles, protective clothing and rubber gloves when handling.

ENVIRONMENTAL HAZARD: This pesticide is toxic to fish. Do not discharge into lakes, streams, ponds or public waters, unless in accordance with an NPDES permit. For guidance contact the regional office of the Environmental Protection Agency.

CHEMICAL-PHYSICAL HAZARD: Chlorine is a nonflammable gas. In the container it is a liquefied gas under pressure. ~~Do not open container.~~ 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 U.S. Bureau of Mines 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 Materials Company

CHEMICALS DIVISIONS • P O BOX 7669 • BIRMINGHAM ALABAMA 35253-0669

EPA Reg. No. F 82-38
EPA Est. No. 5382-KS-1

Net Weight _____ TONS

Reg # 5382-38 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

DO NOT REMOVE THIS TAG

APPROVED
FOR EXPORT
BY EPA REG. NO. 5382-38

5382-38

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, this pesticide is registered under EPA Reg. No.

5382-38