

PM-32

Reg # 5382-38

193

MAY 2 1985

Vulcan Chemicals
P.O. Box 7689
Birmingham AL 35253

Attention: Roger E. Etherington

Gentlemen:

Subject: "Vulcan Chlorine"
EPA Registration No. 5382-38
Amendment of January 3, 1985

The label referred to above, submitted in connection with registration under FIFRA, is acceptable, provided you comply with the following conditions.

1. Make the following label changes on the finished printed label:
2. Change the declaration of the chlorine percentage to 99.5% and the inerts percentage to 0.5%.
3. The word POISON must be in red. Traditionally most registrants print POISON, Skull and Crossbones and the word DANGER in red.
4. The precautionary paragraph should be immediately preceded by the signal word, "DANGER."
5. Within the precautionary paragraph change "may be fatal if inhaled" to "Fatal if inhaled."
6. Add the statement, "Wear goggles, protective clothing and rubber gloves when handling" to the precautionary paragraph.
7. Refer to the enclosed edited label for additional wording to be added to the Storage and Disposal paragraph.

*6-10-85
Item #5 may
be deleted. This was
resolved at a conference
between EPA and
the registrant (Vulcan
Institute) HCL*

CONCURRENCES

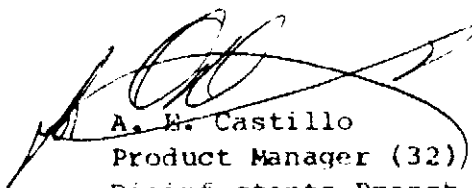
SYMBOL								
SURNAME	HCL							
DATE	MAY 2 1985							

-2-

8. Submit two (2) LEGIBLE copies of the finished printed label, as defined in the A-79 enclosure, before the product is released for shipment to comply with PR Notice 82-2 of June 18, 1982.
9. The finished printed labels must comply with the general labeling requirements of Section 162.10 of Title 40 of the Code of Federal Regulations. Failure to do so may result in rejection of the labels.

A stamped copy is enclosed for your records.

Sincerely yours,



A. E. Castillo
Product Manager (32)
Disinfectants Branch
Registration Division (TS-767C)

Enclosures

JOB:92206:KENDRICK:898-1270:RD85/16:4/29/85:Del:5/29/85:SG

Vulcan Chemicals
P.O. Box 7689
Birmingham AL 35253

Attention: Roger E. Etherington

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..... 99.7%
Inert Ingredients:..... 0.3%

**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

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 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 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 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., New York. 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.

Continued on back

MANUFACTURED BY

Vulcan Materials Company

CHEMICALS DIVISION P. O. BOX 7899 • BIRMINGHAM, ALABAMA 35275

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

ACCEPTED
with COMMENTS
in EPA Letter Dated:

MAY 2 1985

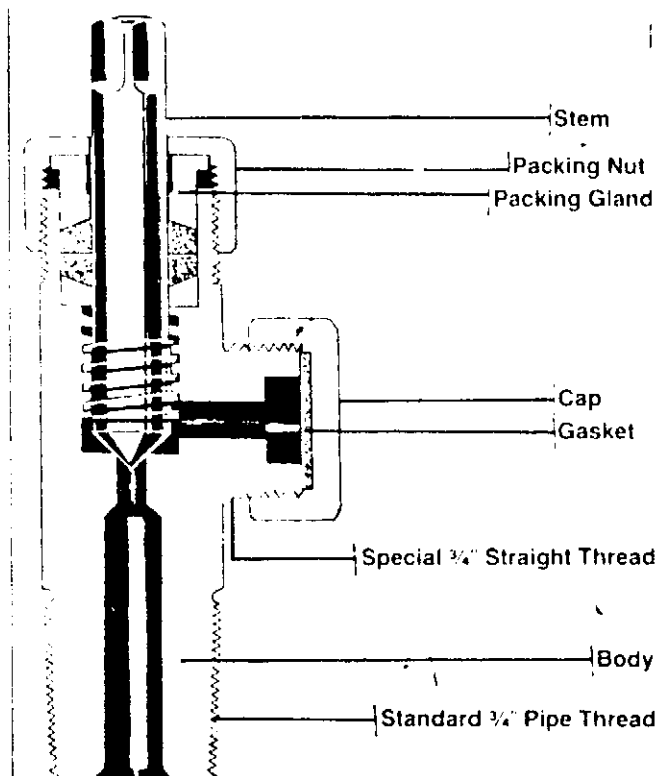
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

5382-38

STORAGE AND DISPOSAL

Chlorine containers are designed for reuse and must be returned to the supplier. Containers must not be stored where they will be exposed to temperatures warmer than 54.5° C (130° F). Do not store in direct sunlight or drop portable containers. All storage containers must have a weather resistant label attached near outlet valve and must not be accessible to general public. Empty containers should be properly identified with return tags and returned to supplier according to prescribed instruction and practices recommended by The Chlorine Institute.

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



Standard Ton Container Valve

DIRECTIONS FOR USE CHLORINE IN CONTAINERS

Before using ton containers, position cylinders so that the two outlet valves are directly above and below each other. Top valve delivers vapor, bottom valve delivers liquid.

CONNECTING: Use 500 psig copper tubing to connect container to piping system. Valve outlets on cylinders are designed for compression type fitting. Do not use tapered thread fittings (standard pipe fittings). Use only approved adapters. Use new gasket each time connection is made.

VALVE OPERATION: Open valve by turning to left (counter-clockwise). One complete turn opens valve. Packing nut may be loosened slightly if necessary to relieve tight stem, but retighten promptly to avoid leak. Never exceed 1 1/4 turns. Do not use container valve to regulate the chlorine flow. Operate container valve only with wrench designed for this type valve. Use of oversize wrench may result in excessive tightening resulting in damage to valve stem and seat, causing leak to develop.

Do not vent chlorine containers, lines or valves, or use heat or hot water to increase discharge rate.

DISCONNECTING: Upon emptying container, close both valves securely, replace outlet caps and valve protection bonnet, designate container as empty.