

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

JAN - 3 2011

Cinda L. Bell SciReg, Inc. 12733 Director's Loop Woodbridge, VA 22192 FILE COPY

Subject:

Kuehne Chemical Company

Chlorine Liquefied Gas Under Pressure

EPA Registration No. 35317-2 Application Dated: October 5, 2010 Receipt Dated: October 5, 2010

Dear Ms. Bell:

The following amendment submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable with conditions.

Conditions:

Revise the "Hazards to Humans and Domestic Animals" statement as follows:

DANGER. Fatal if inhaled or absorbed through the skin. Corrosive. Causes irreversible eye damage and skin burns. Do not breathe vapors 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, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

- 2. Please provide a "red" icon for the skull and crossbones to emphasize the Danger.
- 3. The following Personal Protective Equipment language must be added to the label: Applicators and other handlers must wear long-sleeved shirts, long pants, shoes and socks.

General Comments

A stamped copy of the accepted labeling is enclosed. Submit one 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 <u>Henson.Wanda@epa.gov</u> or call (703) 308-6345.

Sincerely,

Wanda Y. Henson

Acting Product Manager - Team 32 Regulatory Management Branch II Antimicrobials Division (7510P)

CHLORINE LIQUIFIED GAS UNDER PRESSURE **NONFLAMMABLE**

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

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FIRST AID Class I Pesticide	
If in eyes	 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 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 further treatment advice.
!f swallowed	 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: 1-800 POISON-1 Class I Pesticide

Have product container or label with you when calling a poison control center or doctor, or going for treatment.

NOTE TO PHYSICIAN

Probable mucosal damage may contraindicate the use of gastric lavage. Treatment is symptomatic. Because there is no knows antidote for chlorine gas inhalation, effective and immediate relief of symptoms is the primary goal. Steroid therapy, if given early, has been reported effective in preventing pulmonary edema.

See back panel for additional precautions.

ACCEPTED with COMMENTS in EPA Letter Dated:

JAN - 3 2011

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the positicide, registered undo EPA Reg. No. 35317-2



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PRECAUTIONARY STATEMENTS HAZARDS TO HUMAN & DOMESTIC ANIMALS

DANGER

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

IN CASE OF SPILL OR LEAKAGE: Handlers must wear chemical-resistant, waterproof, insulated gloves (such as nitrite of butyl), rubber boots and full-face respirators approved for chlorine (MSHA/NIOSH approval number prefix TC-14G) or self-contained breathing apparatus (SCBA) (MSHA/NIOSH approval number prefix TC-13F). Since there is always the possibility of a spill or a 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 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 Pollution 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 local 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.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

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

Have available a gas mask approved for chlorine service by the U.S. Bureau of Mines or the National Institute of Occupational Safety and Health. Handle and use only in accordance with practices recommended in the CHLORINE MANUAL published by the Chlorine Institute, Inc. Washington D.C. Use only in well ventilated areas.

STORAGE AND DISPOSAL

STORAGE: Cylinders and ton containers should be stored in a dry area away from sources of heat and protected from direct sunlight and precipitation. They should be segregated from other compressed gases and never stored near hydrocarbons, finely divided metals, turpentine, ether, anhydrous ammonia, and other flammable materials.

Exercise due caution to prevent damage to or leakage from the containers.

DISPOSAL OF CONTAINERS: Refillable container. Refill this container with Chlorine Gas only. Do not reuse this container for any other purpose. All chlorine containers are returnable and should be returned as promptly as possible when empty. It is illegal to fill a container without the permission of the owner. All valves must be closed tight and closures or caps secured. It is illegal to ship a leaking container.

LEAK PROCEDURES: Make 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



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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 to perform such cleanup. Do not permit entry into the leak area by any other person until the chlorine has completely dispersed.

KUEHNE CHEMICAL CO., INC.

86 Hackensack Ave. South Kearny, NJ 07032 (973) 589-0700

EPA REG. No. 35317-2

EPA Est. No. 35317-NJ 1 EPA Est. No. 35317-DE-1



MEETS SPEC. AWWA - B301-99

ANSI/NSF STANDARD 60 DRINKING WATER TREATMENT ADDITIVES 1M51

Net Wt.