DATE OF ISSUANCE US ENVIRONMENTAL PROTECTION AGENCY 11491-10 OCT 1 2 1995 OFFICE OF PESTICIDES PROGRAMS **REGISTRATION DIVISION (75-767)** TERM OF ISSUANCE WASHINGTON, DC 20460 NAME OF PESTICIDE PRODUCT REGISTRATION
REREGISTRATION NOTICE OF PESTICIDE: Medilume Plus (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended) NAME AND ADDRESS OF REGISTRANT (Include ZIP code) Liquid Carbonic Industries Corporation 810 Jorie Blvd Oak Brook, IL 60521 L NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number. On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act. A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith. Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others. This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you: Submit/cite all data required for registration/ reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 2. Make the labeling changes listed below before you release the product for shipment. (Master Label) a. Add the phrase "EPA Registration No. 11491-10". b. Delete the exclamation point from the signal word: DANGER. c. The following form of the ingredient statement complies with the Act: Active Ingredient Ethylene Oxide.....8.5% Inert Ingredients.....91.5%

ATTACHMENT IS APPLICABLE
SIGNATURE OF APPROVING OFFICIAL

DATE

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d. Revise the statent: "Wash clothing before reuse" to read:

"Remove contaminated clothing and wash before reuse."

- e. Add the following additional precautionary statement: Wash thorougly with soap and water after handling.
- f. Revise the Environmental Hazards statement to comply with PR Notive 93-10.
- 3. Make the labeling changes listed below before you release the product for shipment: (Tag Label)
 - a. Include the EPA Registration No.
- b. Add a referral statement to read: See outer label on cylinder for additional precationary statements and Directions for Use.
 - c. Include the full company name on the tag.

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

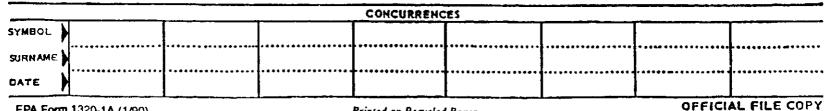
Submit one (1) copy of the final printed label prior to release of the product for shipment.

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

Sincerely,

Marion Johnson Product Manager (31) Antimicrobial Program Branch Registration Division (7505C)

Enclosures



EPA Form 1320-1A (1/90)

Printed on Recycled Paper

☆ U.S. GOVERNMENT PRINTING OFFICE 1995 - 619 457

ACTIVE INGREDIENT: ETHYLENE OXIDE..... 8.5% THERE INCREDIENTS CARBON DIOXIDE..... 90,8% TOTAL..... 100.0%

Feet Street Street

KEEP OUT OF REACH OF CHILDREN

DANGER! PELIGRO!

PRECAUTION AL USARIO: SI USTED NO LEE INGLES, NO USE ESTE PRODUCTO HASTA QUE LA ETIQUETA LE HAYA SIDO EXPLICADO AMPLIAMENTE

STATEMENT OF PRACTICAL TREATMENT

IF INHALED OR SUSPICION OF INHALATION: REMOVE PERSON TO FRESH AIR, KEEP WARM IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN EVEN IF NO SYMPTOMS ARE PRESENT KEEP UNDER MEDICAL OBSERVATION. SYMPTOMS MAY BE DELAYED

IN CASE OF CONTACT WITH EYES SKIN OR CLOTHING IMMEDIATELY FLUSH EYES OR SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN. WASH CLOTHING BEFORE REUSE. PISCARD CONTAMINATED SHOES. NOTE TO PHYSICIAN: SEE ATTACHED CYLINDER TAG.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANTHALS:

DANGER, NON-PLAMMABLE LIQUID AND GAS UNDER PRESSURE, CAN CAUSE BYE AND SKIN BURNS DO NOT GET LIQUID IN EYES. ON SKIN, OR ON CLOTHING. MAY BE HARMFUL OR FATAL IF INHALED. DO NOT BREATHE GAS. CAN CAUSE IRRITATION OF THE RESPIRATORY TRACT. SYMPTOMS OF EXPOSURE MAY BE DELAYED DANGER. CONTAINS ETHYLENE OXIDE A CANCER AND REPRODUCTIVE

ENVIRONMENTAL HAZARDS :

HAZARD.

DO NOT DISCHARGE REFLUENT CONTAINING THIS PRODUCT INTO LAKES , STREAMS PONDS, ESTUARIES OCEANS OR PUBLIC WATERS UNLESS THIS IS SPECIFICALLY IDENTIFIED AND ADDRESSED IN AN N.P.D.E.S PERMIT., DO NOT DISCHARGE EFFLUENT CONTAINING THIS PRODUCT TO STWEET SYSTEMS WITHOUT PREVIOUSLY NOTIFYING THE SEWAGE TREATMENT PLANT AJ.HDRITY: FOR GUIDANCE, CONTACT YOUR STATE WATER BOARD OR PEGIONAL OFFICE OF THE EPA.

PHYSICAL AND CHEMICAL HAZARDS:

CONTENTS UNDER PRECSURE. BACK FLOW TATTO CONTAINER COULD CAUSE CYLINDER PUPTURE ALWAYS USE A BACK FLOW TREVENTING BEYICK IN THE CONTAINER DISCHARGE FIFTING. CONTAINER REMPERATURE SHOULD NOT EXCEED 125 °F (52°C). SECURE THE CYLINDER IN AN UPBLIGHT POSITION DURING STORAGE AND USE. KEEP PROTECTIVE VALVE CAP IN PLACE WHEN NOT IN USE. USE ONLY IN CLOSED SYSTEMS WHICH ARE PATED FOR THE CYLINDER PRESSURE (2000 PSIG) CLOSE VALVE AFTER EACH USE AND WHEN EMPTY CYLINDER MUST NOT BE REFILLED EXCEPT BY OR WITH THE CONSENT OF LIQUID CARBONIC.

LIQUEFIED GASES N.O.S. UN 1956

(Ethylene Oxide, Carbon Dioxide)

10N FLAMM GAS

DIRECTIONS FOR USE: IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRO WITH ITS LABELING.USE IN ACCORDANCE WITH STERILIZER MANUFACTURERS OF PRODUCT SHOULD ONLY BE USED BY PERSONS EXPERIENCED IN THE USE OF ETH MIXTURES OR UNDER THE SUPERVISION OF SUCH AN EXPERIENCED PERSON. SE FURTHER DIRECTIONS FOR USE.USE IN ACCORDANCE WITH THE MATERIAL SAFET

STORAGE AND DISPOSAL: DO NOT CONTAMINATE WATER, FOOD OR FEED BY STOR STORAGE: DO NOT STORE NEAR SOURCES OF HEAT, OPEN FLAMES. OR IN DIREC TEMPERATURES MUST NOT EXCEED 125°F(52°C). TO MINIMIZE POLYMERIZATION TEMPERATURE IS RECOMMENDED, DO NOT PUNCTURE OR DROP CYLINDERS. PESTICIDE DISPOSAL: THE CONTENTS OF THIS CYLINDER MUST EITHER BE USE RETURNED IN THE ORIGINAL CYLINDER TO LIQUID CARBONIC FOR HANDLING. DO PRODUCT WITHOUT THE EXPRESS DIRECTION OF LIQUID CARBONIC

CONTAINER DISPOSAL: RETURN EMPTY AND OUT-DATED CYLINDERS FOR RE-USE. VALVES FOR LEAKS IF LEAKS ARE DETECTED, CONTACT SUPPLIER

EPA REG. NO:

EPA ESTABLISHMENT NUMBER: 11491

11491-CA-1 11491-FL-1 11491-CA-2 11491-TX-1

NET	CONTENT	S	LBS
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FOR INDUSTRIAL AND MEDICAL USE IN COMMERCIAL GAS DESIGNED FOR USE WITH ETHYLENE OXII EMERGENCY RESPONSE PHONE # (504)67 CHEMTREC (800) 424 - 9300



LIQUID CARBONIC

INDUSTRIES CORPORATION 810 JORIE BLVD OAK BROOK , IL 60521-2216

MEDIFUME PLUS



LIQUID CARBONIC 810 JORIE BLVD

> OAK BROOK, IL 60521-2216

EMERGENCY RESPONSE PHONE # (504)673-8831 CHEMITREC (800)424-9300

DO NOT REMOVE THIS TAG

DANGER! NON FLANHABLE LIQUID AND GAS UNDER PRESSURE. HARMFUL IF INHALED.

THIS TAG CONTAINS ADDITIONAL INFORMATION WHICH IS CONSIDERED AN INTEGRAL PART OF THE LABEL FOR THIS PRODUCT.

NOTE TO PHYSICIAN: THIS PRODUCT CONTAINS ETHYLENE OXIDE AS THE ACTIVE INCREDIENT. EXPOSURE OF EYES OR SKIN MAY RESULT IN IMMEDIATE OR DELAYED SKIN IRRITATION AND BLISTERING WITH POSSIBLE ALLERGIC SKIN REACTION. THE AFFECTED AREAS SHOULD BE THOROUGHLY CLEANED AND TREATED SYMPTOMATICALLY. INHALATION HAY PRODUCE A NUMBER OF EFFECTS, THE MOST INMEDIATELY SERIOUS OF WHICH IS PULMONARY EDEMA, A RESULT OF ETHYLENE OXIDE'S RESPIRATORY TRACT IRRITANCY AND WHICH MAY BE DELAYED IN ONSET. IF THIS OCCURS TO A SIGNIFICANT DEGREE IT CAN BE FATAL MANAGEMENT OF INSULATION EXPOSURES SHOULD INCLUDE EXTENDED OBSERVATION AND RESPIRATORY SUPPORT AS INDICATED BY THE PATIENTS PROGRESS AND PRESENTATION DUE TO THE UNDERLYING RESPIRATORY IRRITATION IN CASES OF PULMONARY EDEMA THE USE OF HYPERBARIC OXYGEN HAY, HOWEVER BE CONTRAINDICATED AND ITS USE MUST BE CAREFULLY CONSIDERED. OTHER SEQUELAE OF INHALATION MAY INCLUDE TIGHTNESS OF THE CHEST, HEADACHE, NAUSEA , VONITING , DIARRHEA , VERTICO , WEARNESS, DROWSINESS, INCOORDINATION , CONVULSION AND/OR COMA DEPENDANT ON THE DEGREE OF EXPOSURE, ANY OF THESE MAY BE DELAYED IN ONSET, MANAGEMENT IS SUPPORTIVE AND SYMPTOMATIC.

ACCEPTED

With Characterists

B. D. J. Co. Franch

GCT 1 2 1995

LIQUID CARBONIC: Medifume Plus^{TN} VOLI

DIRECTIONS POR USE:

HT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. THIS PRODUCT IS FOR INDUSTRIAL USE ONLY IN COMMERCIAL GAS STERILIZERS DESIGNED FOR USE WITH ETHYLENE OXIDE. THIS PRODUCT SHOULD BE USED ONLY BY PERSONS EXPERIENCED IN STERILIZATION OR FUMIGATION USING THIS MIXTURE, OR ARE UNDER THE DIRECT SUPERVISION OF PERSONS WHO ARE EXPERIENCED IN STERILIZATION OR FUMIGATION USING THIS MIXTURE. USE THIS PRODUCT IN ACCORDANCE WITH THE STERILIZER MANUFACTURER'S OPERATING INSTRUCTIONS FOR THE PARTICULAR STERILIZER AND ONLY AFTER READING LIQUID CARBONIC'S MATERIAL SAFETY DATA SHEET FOR MEDIFUME PLUS. ".ALWAYS CHECK FOR LEAKS OF THE CYLINDER VALVE BEFORE MOVING THE CYLINDER INTO THE STERILIZING FACILITY. DO NOT USE ANY OIL OR GREASE ON VALVES, REGULATOR OR FITTINGS FOR DELIVERY OF THIS GAS INTO THE STERILIZER. BACK FLOW INTO THE CONTAINER COULD CAUSE CONTAINER RUPTURE. ALWAYS USE A BACK FLOW PREVENTING DEVICE IN THE CONTAINER DISCHARGE PIPING. CHECK FOR LEAKS AFTER CONNECTING CYLINDER TO THE STERILIZER INLET PIPING, CONTAINER TEMPERATURE SHOULD NOT EXCEEDI25 P(52°C) DURING STORAGE OR USE. KEEP PROTECTIVE CAP ON WHEN NOT IN USE. SECURE THE CYLINDER IN AN UPRIGHT POSITION DURING STORAGE AND USE. USE ONLY IN CLOSED SYSTEMS WHICH ARE RATED FOR THE CYLINDER FRESSURE (2000 PSIG). CLOSE VALVE AFTER EACH USE AND WHEN EMPTY.

ITEMS TO BE STERILIZED SHOULD BE THOROUGHLY CLEANED OF SOIL BEFORE BEING STERILIZED. THIS PRODUCT , WHEN USED IN ACCORDANCE WITH THE STERILIZER MANUFACTURER'S OPERATING PROCEDURES , WILL STERILIZE AND/OR REDUCE MICROBIAL LOAD ON MEDICAL AND LABORATORY ITEMS, PHARMACEUTICALS, ASEPTIC PACKAGING, WHOLE AND GROUND SPICES, AND OTHER PROCESSED NATURAL SEASONING MATERIALS EXCEPT MIXTURES TO WHICH SALT HAS BEEN ADDED(SEE 40 CFR185.2850) and COSMETICS.

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LIQUID CARBONIC: Medifume Plus TN VOLI

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