

COMPRESSED GAS
N.O.S.



UN 1956

PM-31 32462-1

ETHYLENE OXIDE
DICHLORODIFLUOROMETHANE MIXTURE
STERILANT GAS - ~~FLAMMABLE~~
~~IT DOES NOT REQUIRE NON-FLAMMABLE LIQUID~~
AND GAS UNDER PRESSURE
ACTIVE INGREDIENT:
ETHYLENE OXIDE 12% BY WT.
INERT INGREDIENT:
DICHLORODIFLUOROMETHANE 88% BY WT.
NON-LIFE SUPPORTING
EDUCTOR TUBE IN VALVE

CONFIDENTIAL CLAIM IS MADE ON THIS DOCUMENT



ALPHAGAZ
SPECIALTY GASES DIVISION
LIQUID AIR CORPORATION
ONE EMBARCADERO CENTER
SAN FRANCISCO, CA 94111

2121 CALIFORNIA BLVD.
WALNUT CREEK, CA 94596

ETHYLENE OXIDE AND DICHLORODIFLUOROMETHANE MIXTURE
STERILANT - ~~FLAMMABLE~~ GAS

STERILANT: FOR INDUSTRIAL AND MEDICAL USE ONLY IN COMMERCIAL GAS STERILIZERS ACCORDING TO MANUFACTURER'S INSTRUCTIONS.

~~CUMMANT: KILLS STORED PRODUCT INSECTS. TO BE USED ONLY BY TRAINED AND EMERGENCY OPERATORS. KNOWN TOODORABLE WITH PURIFICATION TREATING. PROCEEDURES AND DOSAGES~~

ACTIVE INGREDIENT:
Ethylene Oxide 12% by weight
INERT INGREDIENT:
Dichlorodifluoromethane is 88% BY WT.

EPA Reg No 32462-1
EPA Est. No. 32462-CA-01
 32462-GA-01
 32462-IL-01
 32462-TX-01
 32462-WA-01

Total Contents _____ LBS NET

DIRECTIONS FOR USE
GENERAL CLASSIFICATION

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. THIS PRODUCT IS LIMITED TO USE BY MEDICAL PROFESSIONALS OR APPROPRIATELY TRAINED TECHNICAL PERSONNEL AS A STERILANT ~~FLAMMABLE~~ GAS IN MEDICAL AND INDUSTRIAL USE AREAS. ETHYLENE OXIDE IS SUBJECT TO POLYMERIZATION. USE BY EXPIRATION DATE WHICH IS 60 DAYS FROM FILL DATE. CYLINDERS MUST BE UPRIGHT AND SECURED WHEN DISCHARGING. USE ONLY WITH APPROVED EQUIPMENT RATED FOR CYLINDER PRESSURE. MOVE CYLINDER WITH CARE OR HANDTRUCK. EQUALIZE TO ROOM TEMPERATURE (70 DEGREES F TO 80 DEGREES F) 24 HOURS PRIOR TO USE. DO NOT USE OIL OR GREASE ON VALVE, REGULATOR, OR FITTINGS. SEE OGA PAMPHLET P.1 AND SUPPLIER'S MATERIAL SAFETY DATA SHEET.

PHYSICAL OR CHEMICAL HAZARDS
DANGER!
KEEP OUT OF REACH OF CHILDREN

UNDER PRESSURE. CAN CAUSE RAPID SUFFOCATION.

DANGER! ~~IT DOES NOT REQUIRE NON-FLAMMABLE LIQUID AND GAS VAPORS MAY CAUSE IRRITATE.~~ NOSE, THROAT, EYES AND SKIN MAY CAUSE EYE AND SKIN BURNS AND SEVERE DAMAGE. SUSPECT CANCER HAZARD ODOR: ETHER-LIKE. TLV (ETHYLENE OXIDE) IS 1 PPM (1984 ACGIH) SYMPTOMS OF EXPOSURE MAY BE DELAYED.

DANGER! CONTAINS ETHYLENE OXIDE, CANCER HAZARD AND REPRODUCTIVE HAZARD.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER! AVOID BREATHING VAPORS. AVOID CONTACT WITH EYES, SKIN OR CLOTHING. EXPOSURE TO EYES AND SKIN MAY CAUSE SEVERE IRRITATION AND DAMAGE. CONTACT LENSES SHOULD NOT BE USED BY PERSONS POTENTIALLY EXPOSED TO THIS GAS MIXTURE

NOTE: SUCK-BACK INTO CYLINDER MAY CAUSE RUPTURE. ALWAYS USE A BACK FLOW PREVENTING DEVICE IN THE PIPING.

IF IN CONTACT OR SUSPECTED OF CONTACT, remove or flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Do not attempt artificial respiration. Symptoms may be delayed.

IF IN CONTACT WITH EYES, immediately flush eyes with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Do not attempt artificial respiration. Symptoms may be delayed.

SEPARATE LENS WITH FINGERS

IF IN CONTACT, immediately flush exposed skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician. Do not attempt artificial respiration. Symptoms may be delayed.

STORE AND USE WITH ADEQUATE VENTILATION. STORE IN COOL, WELL VENTILATED AREA. ETHYLENE OXIDE MAY POLYMERIZE IF STORED BETWEEN 100 AND 130 DEGREES F. KEEP CYLINDER AWAY FROM HEAT, DIRECT SUNLIGHT, OPEN FLAMES AND SPARK PRODUCING DEVICES (ELECTRIC MOTORS WITH EXPOSED BRUSHES). KEEP CYLINDER TEMPERATURE FROM EXCEEDING 125 DEGREES F (52 C). CLOSE VALVE WHEN NOT IN USE AND WHEN EMPTY. RETURN CYLINDER TO MANUFACTURER.

ENVIRONMENTAL HAZARDS

LEAK: EVACUATE AREA AND MOVE PERSONNEL UPWIND. VAPOR IS HEAVIER THAN AIR. FLAMMABLE ETHYLENE OXIDE MAY TRAVEL TO IGNITION SOURCE AND FLASHBACK. WEAR SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO SPRAY LEAK WITH WATER, STOP LEAK AND TO VENTILATE AREA IF WITHOUT RISK. LEAKING CYLINDER MAY BE VENTED OUTSIDE TO ATMOSPHERE AWAY FROM IGNITION SOURCES AND PEOPLE. CONTACT MANUFACTURER FOR INSTRUCTIONS.

FIRE: USE WATER SPRAY OR FOG NOZZLE TO KEEP CYLINDER COOL. MOVE CYLINDER AWAY FROM FIRE IF WITHOUT RISK

EMERGENCY: CALL CHEMTREC 800-424-9300

DO NOT REMOVE THIS PRODUCT LABEL.

**ETHYLENE OXIDE AND
DICHLORODIFLUOROMETHANE
MIXTURE
STERILANT/FUMIGANT GAS**

Packaged and Distributed by:



ALPHAGAZ
SPECIALTY GASES DIVISION
LIQUID AIR CORP.
One Embarcadero Center
San Francisco, CA 94111
2121 N. California Blvd.
Walnut Creek, CA 94596

Batch No.:

Active Ingredient: Ethylene Oxide 12% Wt.
Inert Ingredient: Dichlorodifluoromethane 88% Wt.

WARNING! READ CYLINDER LABEL BEFORE USE.

EMPTY
Return Promptly

IN USE

Remove This Stub When Empty

FULL

Remove This Stub When
Cylinder Is In Use

**ETHYLENE OXIDE AND
DICHLORODIFLUOROMETHANE MIXTURE
STERILANT - FUMIGANT GAS**

STERILANT: For industrial and medical use only in commercial gas sterilizers according to manufacturer's instructions.

WARNING: Kills stored product insects. To be used only by trained and experienced operators knowledgeable with fumigation hazards, procedures and dosages.

DANGER: High pressure non-flammable liquid and gas. Vapors harmful. Read cylinder label before use.

STORE AND USE IN A COOL DRY PLACE

CAUTION: Use no oil on valve or connections. Transfiling of this gas is prohibited.

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Return Promptly

IN USE

Remove This Stub When Empty

FULL

Remove This Stub When
Cylinder Is In Use

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