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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO. 2017-5	DATE OF ISSUANCE FEB 06 1991
	TERM OF ISSUANCE	
	NAME OF PESTICIDE PRODUCT	

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

[Faint, illegible text for registrant name and address]

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.

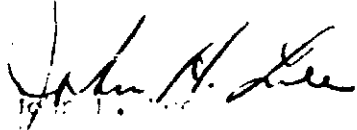
1. The registrant certifies that the information furnished in the application is true and correct to the best of his knowledge and belief.

2. The registrant certifies that the pesticide is not a duplicate of any pesticide already registered under the Act.

3. The registrant certifies that the pesticide is not a duplicate of any pesticide already registered under the Act.

4. The registrant certifies that the pesticide is not a duplicate of any pesticide already registered under the Act.

5. The registrant certifies that the pesticide is not a duplicate of any pesticide already registered under the Act.


 John A. Lee
 Director, Registration Division

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ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL _____ DATE _____

FM 31 9. 1985

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUSTIC TO EYES, SKIN, AND MUCOUS MEMBRANES
Exposure to liquid or gas can cause eye damage. Intimate skin contact with fabric, rubber or plastics containing residual ethylene oxide can cause damage to the skin or mucous membranes. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield when handling. Harmful or fatal if swallowed. Do not breathe vapor. Extremely hazardous liquid and gas under pressure. Inhalation of gas may be fatal. Ethylene oxide gas can be odorless at toxic levels, therefore exposure to toxic levels may occur without any warning or capability of detection by the user.

Note to Physician

Ethylene oxide is a gas. Skin exposure from contact with fabric, rubber or plastic containing residual ethylene oxide will commonly result in skin irritation with extensive blister formation. At high concentrations severe conjunctivitis can occur. Irritation of the respiratory tract may occur, but without acute lung edema. Symptoms of systemic intoxication are headache, nausea, vomiting, incoordination, and cardiac irregularities. Treatment is symptomatic.

Physical or Chemical Hazards

Ethylene oxide gas is extremely flammable. Do not use near flame, electrical sparks, or hot surfaces. Ground all equipment to prevent static sparks.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For professional use in hospital, medical, and veterinary sterilization. To be used only in an EOGas sterilizer. Read package insert for complete sterilization instructions and additional precautions. Gas absorbent materials must be used before use.

STORAGE AND DISPOSAL

STORAGE: Store in a cool place and out of direct sunlight.

PESTICIDE DISPOSAL: Unwanted or expired EOGas cartridges should be returned to the manufacturer for disposal. Contact H.W. Andersen Products, Inc. (tel. no. 919-376-3000) for instructions. If unwanted or expired EOGas Cartridges cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Do not reuse empty box. Wrap box in newspaper and discard in trash. Do not reuse Liner Bag. Dispose of used Liner Bag and spent EOGas cartridge in trash.

ONE KIT (CONTENTS: 25 Cartridges, 25 Liner Bags, 25 Dosimeters, 25 Humidichips. Each AN1006 cartridge contains 0.37 av. oz. EOGas sterilant.)

EOGas

AN1006 STERILIZING GAS CARTRIDGE KIT

Active Ingredient: Ethylene oxide 89%
Inert ingredients: 11%
This product contains the toxic inert ingredient Di-ethyl hexyl phthalate.

KEEP OUT OF REACH OF CHILDREN

DANGER

Statement of Practical Treatment

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

IF INHALED: Get exposed person to fresh air. Keep warm. Make sure person can breathe freely. If breathing has stopped, give artificial respiration, preferably mouth-to-mouth. Do not give anything by mouth to an unconscious person.

IF ON SKIN: Immediately remove contaminated clothing, shoes, and other items covering skin. Wash contaminated skin area thoroughly with soap and water.

In all cases of overexposure, get medical attention immediately. Take person to a doctor or emergency treatment facility.

See side panel for additional precautionary statements.

H.W. Andersen Products, Inc.
Health Science Park, Box 1050, Chapel Hill, NC 27514 USA
EPA Registration No. 9417
EPA Establishment No. 9417-NC-001

ACCEPTED
with COMMENTS
in EPA Letter Dated:

FEB 06 1991

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

9417-5

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Heat Seal Liner Bag Here.

EOGas™

Gas Diffusion Membrane ("Liner Bag")

Use only in an EO Gas Sterilizer with a no. 6 EO Gas Cartridge.

6

IMPORTANT:

The gas within this membrane may be flammable. Do not use near fire, heated surfaces, or flame.

Do not open the Liner Bag before the 16 hour EO Gas cycle (at 50°C) has been completed. Opening the Liner Bag before completion of the 16 hour cycle may expose the operator to unacceptably high levels of ethylene oxide. Residual levels of ethylene oxide capable of causing chemical contact burns may be present in the product if it is removed from the Liner Bag before the end of the 16 hour EO Gas cycle.

The EO Gas System must be used according to manufacturer's instructions. See outer box and package insert for precautions and sterilization instructions.

Do not reuse the Liner Bag. Dispose of used Liner Bag in trash.

H.W. Andersen Products, Inc.
Health Science Park, Box 1050, Chapel Hill, NC 27514 USA

ACCEPTED
FOR PUBLICATION
In EPDM

FEB 06 1991

Under the
Fungicide Act
as amended
registered under No.

9417-5

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CORROSIVE TO EYES, SKIN, AND MUCOUS MEMBRANES
Exposure to liquid or gas can cause eye damage. Intimate skin contact with fabric, rubber or plastics containing residual ethylene oxide can cause damage to the skin or mucous membranes. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield when handling. Harmful or fatal if swallowed. Do not breathe vapor. Extremely hazardous liquid and gas under pressure. Inhalation of gas may be fatal. Ethylene oxide gas can be odorless at toxic levels, therefore exposure to toxic levels may occur without any warning or capability of detection by the user.

Note to Physician
Ethylene oxide is a gas. Skin exposure from contact with fabric, rubber or plastic containing residual ethylene oxide will commonly result in skin irritation with extensive blister formation. At high concentrations severe conjunctivitis can occur. Irritation of the respiratory tract may occur, but without acute lung edema. Symptoms of systemic intoxication are headache, nausea, vomiting, incoordination, and cardiac irregularities. Treatment is symptomatic.

Physical or Chemical Hazards
Ethylene oxide gas is extremely flammable. Do not use near flame, electrical sparks, or hot surfaces. Ground all equipment to prevent static sparks.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For professional use in hospital, medical, and veterinary sterilization. To be used only in an EOGas sterilizer. Read package insert for complete sterilization instructions and additional precautions. Gas absorbent materials must be aired before use.

STORAGE AND DISPOSAL

STORAGE: Store in a cool place and out of direct sunlight.
PESTICIDE DISPOSAL: Unwanted or expired EOGas cartridges should be returned to the manufacturer for disposal. Contact H.W. Andersen Products, Inc. (tel. no. 919-376-3000) for instructions. If unwanted or expired EOGas Cartridges cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Do not reuse empty box. Wrap box in newspaper and discard in trash. Do not reuse Liner Bag. Dispose of used Liner Bag and spent EOGas cartridge in trash.

ONE KIT (CONTENTS: 25 Cartridges, 25 Liner Bags, 25 Dosimeters, 25 Humidichips. Each AN1005 cartridge contains 0.17 av. oz. EOGas sterilant.)

EOGas

AN1005 STERILIZING GAS CARTRIDGE KIT

Active ingredient: Ethylene oxide 89%
Inert ingredients: 11%
This product contains the toxic inert ingredient Di-ethyl hexyl phthalate.

KEEP OUT OF REACH OF CHILDREN

DANGER

Statement of Practical Treatment

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

IF INHALED: Get exposed person to fresh air. Keep warm. Make sure person can breathe freely. If breathing has stopped, give artificial respiration, preferably mouth-to-mouth. Do not give anything by mouth to an unconscious person.

IF ON SKIN: Immediately remove contaminated clothing, shoes, and other items covering skin. Wash contaminated skin area thoroughly with soap and water.

In all cases of overexposure, get medical attention immediately. Take person to a doctor or emergency treatment facility.

See side panel for additional precautionary statements.

H.W. Andersen Products, Inc.
Health Science Park, Box 1050, Chapel Hill, NC 27514 USA
EPA Registration No. 9417
EPA Establishment No. 9417-NC-001

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with COMMENTS
in EPA District

FEB 06 1991

Under the
Fungicide
as amended
registered

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Heat Seal Liner Bag Here.

EOGas™

Gas Diffusion Membrane ("Liner Bag")

Use only in an EO Gas Sterilizer with a no. 5 EO Gas Cartridge.

5

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IMPORTANT:

The gas within this membrane may be flammable. Do not use near fire, heated surfaces, or flame.

Do not open the Liner Bag before the 16 hour EO Gas cycle (at 50°C) has been completed. Opening the Liner Bag before completion of the 16 hour cycle may expose the operator to unacceptably high levels of ethylene oxide. Residual levels of ethylene oxide capable of causing chemical contact burns may be present in the product if it is removed from the Liner Bag before the end of the 16 hour EO Gas cycle.

The EO Gas System must be used according to manufacturer's instructions. See outer box and package insert for precautions and sterilization instructions.

Do not reuse the Liner Bag. Dispose of used Liner Bag in trash.

H.W. Andersen Products, Inc.
Health Science Park, Box 1050, Chapel Hill, NC 27514 USA

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EOGas™ No. 5

Sterilizing Gas Cartridge

BREAK CARTRIDGE



NOTE

Active ingredient: Ethylene oxide 80%
Inert ingredients: 17%
Net weight 25 Cartridges, 6.17 oz. or
each Cartridge

**KEEP OUT OF REACH OF CHILDREN
DANGER**

Caution: Flammable. Do not open this
package.
Use only in an EOGas sterilizer with Lin.
5 Lower Bag and according to manufacturer's
instructions. See user for use and
package insert for precautions and for
further instructions.
Supplier of record: EOGas Company, Inc.
P.O. Box 10000, Raleigh, NC 27604
EPA Registration No. 91174

USA

**ACCEPTED
with COMMENTS
in EPA Letter Dated**

FEB 06 1991

Under the Fungicide, Disinfectant, and Sanitizers Act, as amended, registered under FIFRA Act No.

9417-5

PRECAUTIONARY STATEMENTS

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CORROSIVE TO EYES, SKIN, AND MUCOUS MEMBRANES**

Exposure to liquid or gas can cause eye damage. Intimate skin contact with fabric, rubber or plastics containing residual ethylene oxide can cause damage to the skin or mucous membranes. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield when handling. Harmful or fatal if swallowed. Do not breathe vapor. Extremely hazardous liquid and gas under pressure. Inhalation of gas may be fatal. Ethylene oxide gas can be colorless at toxic levels, therefore exposure to toxic levels may occur without any warning or capability of detection by the user.

Note to Physician

Ethylene oxide is a gas. Skin exposure from contact with fabric, rubber or plastic containing residual ethylene oxide will commonly result in skin irritation with extensive blister formation. At high concentrations severe conjunctivitis can occur. Irritation of the respiratory tract may occur, but without acute lung edema. Symptoms of systemic intoxication are headache, nausea, vomiting, incoordination, and cardiac irregularities. Treatment is symptomatic.

Physical or Chemical Hazards

Ethylene oxide gas is extremely flammable. Do not use near flame, electrical sparks, or hot surfaces. Ground all equipment to prevent static sparks.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For professional use in hospital, medical, and veterinary sterilization. To be used only in an EOGas sterilizer. Read package insert for complete sterilization instructions and additional precautions. Gas absorbent materials must be aired before use.

STORAGE AND DISPOSAL

STORAGE: Store in a cool place and out of direct sunlight.

PESTICIDE DISPOSAL: Unwanted or expired EOGas cartridges should be returned to the manufacturer for disposal. Contact H.W. Andersen Products, Inc. (tel. no. 919-376-3000) for instructions. If unwanted or expired EOGas Cartridges cannot be disposed of according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Do not reuse empty box. Wrap box in newspaper and discard in trash. Do not reuse Liner Bag. Dispose of used Liner Bag and spent EOGas cartridge in trash.

ONE KIT (CONTENTS: 25 Cartridges, 25 Liner Bags, 25 Dosimeters, 25 Humidichips. Each AN1004 cartridge contains 0.09 av. oz. EOGas sterilant.)

EOGas

AN1004 STERILIZING GAS CARTRIDGE KIT

Active ingredient: Ethylene oxide 89%
Inert ingredients: 11%
This product contains the toxic inert ingredient Di-ethyl hexyl phthalate.

KEEP OUT OF REACH OF CHILDREN

DANGER

Statement of Practical Treatment

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes.

IF INHALED: Get exposed person to fresh air. Keep warm. Make sure person can breathe freely. If breathing has stopped, give artificial respiration, preferably mouth-to-mouth. Do not give anything by mouth to an unconscious person.

IF ON SKIN: Immediately remove contaminated clothing, shoes, and other items covering skin. Wash contaminated skin area thoroughly with soap and water.

In all cases of overexposure, get medical attention immediately. Take person to a doctor or emergency treatment facility.

See side panel for additional precautionary statements.

H.W. Andersen Products, Inc.
Health Science Park, Box 1050, Chapel Hill, NC 27514 USA
EPA Registrant No. 9417
EPA Establishment No. 9417-NC-001

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Heat Seal Liner Bag Here.

EOGas™

Gas Diffusion Membrane ("Liner Bag")

Use only in an EO Gas Sterilizer with a no. 4 EO Gas Cartridge.

4

IMPORTANT:

The gas within this membrane may be flammable. Do not use near fire, heated surfaces, or flame.

Do not open the Liner Bag before the 16 hour EO Gas cycle (at 50°C) has been completed. Opening the Liner Bag before completion of the 16 hour cycle may expose the operator to unacceptably high levels of ethylene oxide. Residual levels of ethylene oxide capable of causing chemical contact burns may be present in the product if it is removed from the Liner Bag before the end of the 16 hour EO Gas cycle.

The EO Gas System must be used according to manufacturer's instructions. See outer box and package insert for precautions and sterilization instructions.

Do not reuse the Liner Bag. Dispose of used Liner Bag in trash.

H.W. Andersen Products, Inc.
Health Science Park, Box 1050, Chapel Hill, NC 27514 USA

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EOGas™**GASEOUS STERILANT FOR 50°C.
ATMOSPHERIC PRESSURE STERILIZATION****Instructions for using EOGas gas cartridges****1. Introduction.**

Do not open the sealed paper pouch in which each individual EOGas ampule is sealed. Never snap the top of the EOGas ampule to open it unless it has first been placed inside of a heat sealed EOGas liner bag.

Each cartridge of EOGas consists of a paper pouch containing a cushioned shield around a glass ampule of liquefied EOGas. The purpose of the pouch and the shield is to protect the fingers of the operator and the liner bag from being inadvertently cut when the neck of the glass ampule is broken to release the gas.

2. Selecting items for Sterilization.

EOGas is designed for medical, hospital, and veterinary sterilization. Typical products which may conveniently be processed in an EOGas Sterilizer are:

Respirators, corrugated tubing
 Bronchoscopes, Gastrosopes, Fiberscopes of all kinds
 Procedure trays
 Catheters - plastic, rubber, cloth
 Tubing - plastic, rubber, metal, glass, cloth
 Anesthesia equipment - endotracheal tubes, masks, rubber tubing
 Adhesive tape
 Bandages, dressing sets (reuse plastic forceps)
 Syringes - plastic, rubber, glass, bulb syringes
 Gloves - rubber, plastic, cloth
 Surgical instruments - steel, chrome plate, brass, plastic
 Optical instruments - scopes, cameras, lenses, mirrors
 Electrical equipment - whether autoclaveable or not
 Painted equipment - metal, wood
 High speed steel - drills, burrs, chisels
 Airways - plastic, rubber, metal
 Fabric - cloth, rubber, plastic, leather, synthetic
 Electric wire - whether autoclaveable or not
 Dry cell batteries, battery cases, bulbs
 Sutures - plastic, silk, cotton, stainless steel
 Tongue depressors, applicator sticks
 Rectal tubes, douche tubes - rubber, plastic
 Specula - plastic, metal

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3. Preparation of material for sterilization.

Material to be sterilized by EOGas must be meticulously cleaned and dried. Coatings of dry protein like dry pus, blood or feces protect microorganisms and slow the sterilization process. You must always be sure to take the following precautions before sterilizing with EOGas:

- A. Disassemble and scrub all instruments in detergent and water to the most critical standard of cleanliness possible.
- B. Be sure that items to be sterilized are physically dry before wrapping and processing. Towel drying or drain drying is sufficient. Water on instruments at the time of exposure to EOGas may react with the gas and reduce its effectiveness.
- C. EOGas is a highly diffusible gaseous sterilant, nevertheless occlusive caps, plugs or stylets must be removed from instruments so that the gas can penetrate freely. Hollow bore needles and plastic or rubber tubing must be open and free from plugs. Syringes must be packaged disassembled with their plungers out of the barrels.

If the nature of the material to be sterilized is such that the water treatments specified above are harmful, then pretreatment in a liner bag having a saturated humidity will be necessary for an overall pretreatment routine of at least 8 hours. Use the following procedure:

To humidify the contents of the liner bag, wrap the items individually in paper or cloth in the usual manner. Place them in a liner bag along with a Humidichip™, a Dosimeter® and a cartridge of EOGas. Fill in the Dosimeter card as outlined in section 4, paragraph 2 before placing it in the liner bag. Heat seal the liner bag and place it in the EOGas sterilizer WITHOUT activating the EOGas cartridge. After at least 4 hours, remove the bag from the EOGas sterilizer and leave it at room temperature for a minimum of 4 additional hours. Then, without opening the liner bag, grasp the cartridge of EOGas through the wall of the liner bag and break the neck of the ampule. Put the liner bag with the activated cartridge back into the sterilizer cabinet for a normal length, 16 hour sterilization cycle.

You must wrap all items individually in cloth or paper in the manner conventional for steam sterilization or in ANPRO® Seal and Peel® Packaging.

ANPRO Seal and Peel Packaging offers a see-through, peel open, extended shelf life package, proven and controlled to be compatible with the EOGas Sterilizing System. No other plastic film packaging material may be used with EOGas unless the user first carefully tests the material to be sure that EOGas can penetrate it in adequate concentration. Polyamide (Nylon) and polyester (Mylar) films are known to be inappropriate for use with EOGas. In as much as Seal and Peel is waterproof, you must include an AN1070 Humidichip RH Stabilizer in each Seal and Peel package. Do not pack the liner bag so tightly with cloth or gauze that gas diffusion is slowed.

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4. Sterilization method with the EOGas Sterilizer cabinet.

Be certain that all items have been prepared as described in section 3 above. Press the purge cycle button on the front of the EOGas sterilizer cabinet. The air in the cabinet will be purged by a high capacity blower, removing the small amount of residual sterilant in the air in the cabinet. This takes three and a half minutes.

While the cabinet is being purged, remove one Dosimeter card from the dispenser box. Write the date and time sterilization will begin and the date and time sterilization and aeration will be complete on the card. Take one liner bag from the EOGas dispenser box and place the wrapped items to be sterilized into the liner bag along with one AN1071 Humidichip and the Dosimeter indicator card. Place the Dosimeter card so that it can be easily seen through the top of the bag. Place the Humidichip in the bottom of the bag so that it will be nearest to the metal shelf. Select one EOGas cartridge from the dispenser box. Be certain that the number printed on the EOGas cartridge corresponds with the number printed on the liner bag you have chosen. Place the EOGas cartridge into the liner bag. Press the excess air out of the liner bag and heat seal it.

Each cartridge contains a glass ampule that is prescored around its neck to facilitate activation of the ampule. Grasp the cartridge through the heat sealed liner bag and snap the top of the ampule. This action releases the gas instantly from the cartridge into the liner bag.

When the green indicator light is illuminated on the front of the EOGas sterilizer indicating that the cabinet has been purged and the sterilizer door is unlocked, place the liner bag on a shelf in the sterilizer. Close the door securely. It will lock automatically in approximately two minutes.

Leave the liner bag undisturbed in the sterilizer cabinet for 16 hours after which time the liner bag may be removed, opened and its sterile contents used. After the sterile material has been removed from the liner bag, the exhausted and empty gas release cartridge and the liner bag may be disposed of in ordinary rubbish.

5. PRECAUTIONS:

- DANGER: EXTREMELY FLAMMABLE
- KEEP OUT OF REACH OF CHILDREN.
- DO NOT BREATHE EOGas.

EOGas cartridges contain liquid and gas under pressure. Do not use EOGas near fire, heated surfaces, or flame. Do not smoke near the sterilizer while loading and unloading it. Sterilize batteries wrapped individually and separately from their electrical instruments.

Avoid breathing EOGas vapor. Breathing EOGas vapor is harmful. If you can smell EOGas you are breathing toxic amounts. In concentrated amounts EOGas sterilizing gas is as irritating to the lungs and mucous membranes as is ammonia gas. As with other chemical vapors, there is a chance of an occasional allergic response to EOGas in a sensitive individual. Such individuals should not handle EOGas, and should neither breathe its vapors nor allow materials sterilized in it to come in contact with their skin or mucous membranes.

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All users must avoid contact with skin, eyes and clothing. If contact with liquid EOGas occurs, users must immediately remove all contaminated clothing, including shoes. Flush skin or eyes with plenty of water for a least fifteen minutes. If liquid EOGas has gotten into your eyes, immediately see a physician for further treatment.

Chronic exposure to concentrations of ethylene oxide (the active ingredient in EOGas) above 1 ppm may be dangerous to your health. All operators of ethylene oxide gas sterilizers must be tested for ethylene oxide exposure at frequent intervals.

Failure to adequately air ethylene oxide absorbing materials may lead to contact chemical burns. The 16 hour sterilization cycle time at 50°C. described in these instructions includes an adequate amount of time to air most tubes, masks and the like. Large gas absorbent items like silicone breast implants and plastic extracorporeal blood filters may require additional aeration before they can be safely implanted or used. Aeration will progress more rapidly outside of the liner bag. Andersen Products is prepared to determine aeration times for unusual products for our customers. Call customer service at 919-376-3000 for more information.

It is incumbent on the user to confirm that a gas absorbent item, sterilized in EOGas, has been adequately aired before it contacts living tissue. This is a particularly important warning to those using plastic or rubber items that directly contact tissue culture preparations, semen, ova or embryos.

Vacuum dehydration, chemical desiccation or prolonged exposure to ambient relative humidity below 30% have been demonstrated to produce spores highly resistant to sterilization by EOGas. Rehydration of spores so changed, and hence reversion to normal sensitivity, does not seem to occur until they have been actually wetted or placed in a 100% relative humidity atmosphere. Do not attempt to sterilize materials which may be carrying dried spores without first washing the articles with water and detergent. If the nature of the material is such that these water treatments are harmful, then pretreatment in a chamber having a saturated humidity at 50°C. will be necessary for an overall pretreatment routine of at least 8 hours.

EOGas is a potent polymerizing agent. It must not be used for sterilizing food-stuffs or drugs.

6. IMPORTANT - Variations from these instructions.

The user must not deviate from these instructions. EOGas cartridges are designed to be used only in the liner bags provided in the EOGas refill dispenser. You may not reuse an EOGas liner bag. Any deviation from the procedures recommended in these instructions is made solely at the users risk.

7. Technical description of the system.

The EOGas Sterilizer cabinet is thermostatically controlled to assure an internal temperature of 50°C. It is provided with a dual volume exhaust system: low volume during the sterilization cycle for economy and high volume for purging just before opening the door. The purge cycle will lower the cabinet temperature for a few minutes, but it will return to 50°C. shortly after the door locks.

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The liner bag is a gas diffusion membrane which retains EOGas long enough to sterilize its contents and then allows the gas to diffuse into the cabinet atmosphere from which it is vented harmlessly to the outside atmosphere. The AN1071 Humidichip will maintain the contents of the liner bag at a relative humidity of greater than 30% at 50°C.

The EOGas ampule will deliver a dose of at least 500 milligram per liter hours to the contents of the liner bag. Tests in our laboratory confirm that this dose will kill the most resistant spores known at 50°C. within the 16 hour cycle, providing that the spores have been rehydrated according to our instructions. The Dosimeter will indicate the actual dose of ethylene oxide delivered by the EOGas ampule. A blue color change reaching the triangle on the Dosimeter scale indicates that a dose of ethylene oxide, usually adequate for sterilization, has been delivered.

8. Storage - Shelf Life.

EOGas must be stored in a cool place out of direct sunshine. Each cartridge is marked with the date after which it may not be used.

9. Testing the Efficacy of the EOGas Sterilizer.

Monitoring sterilization efficacy is extremely important. The EOGas AN1087 Dosimeter, placed in the most inaccessible part of the load, will verify whether or not the gaseous sterilant penetrated to the core of the load in adequate concentration to assure sterilization. In addition, an appropriate biological control, such as the EOGas AN1080 Steritest®, should be used at least once per month to challenge the procedure.

#4 EOGas Cartridge

Net contents each cartridge: 0.09 av. oz.
 (3.0 g.)
 Active ingredient, Ethylene oxide: 89%
 Inert ingredients: 11%

#5 EOGas Cartridge

Net contents each cartridge: 0.17 av. oz.
 (4.5 g.)
 Active ingredient, Ethylene oxide: 89%
 Inert ingredients: 11%

#6 EOGas Cartridge

Net contents each cartridge: 0.37 av. oz.
 (10.5 g.)
 Active ingredient, Ethylene oxide: 89%
 Inert ingredients: 11%

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EOGas™ Sterilizing System

- AN1100 EOGas Sterilizer Cabinet (110 liter capacity) complete with wall mounted extractor, thermostatically controlled heater, electric door lock, digital thermometer, electric purge valve, high temperature cutoff and low temperature alarm
- AN1004 EOGas #4 Cartridge Refill Dispenser Kit
25 EOGas #4 Cartridges
25 Humidichip Relative Humidity Stabilizer Chips
25 EOGas Dosimeters
25 EOGas 12" X 24" #4 Liner Bags
- AN1005 EOGas #5 Cartridge Refill Dispenser Kit
25 EOGas #5 Cartridges
25 Humidichip Relative Humidity Stabilizer Chips
25 EOGas Dosimeters
25 EOGas 18" X 24" #5 gusseted Liner Bags
- AN1006 EOGas #6 Cartridge Refill Dispenser Kit
25 EOGas #6 Cartridges
25 Humidichip Relative Humidity Stabilizer Chips
25 EOGas Dosimeters
25 EOGas 22" X 36" #6 gusseted Liner Bags
- AN1070 50 Humidichip RH Stabilizer Chips, 2.5 x 2.5 cm. (1 x 1 in.)
AN1071 25 Humidichip RH Stabilizer Chips, 5 x 5 cm. (2 x 2 in.)
AN1072 50 Humidichip RH Stabilizer Chips, 5 x 5 cm. (2 x 2 in.)
- AN1080 10 Steritest Biological and Chemical EOGas Sterilizer Control Units
- AN1085 EOGas Exposure Indicator Strips
- AN1087 EOGas Dosimeters
- AN1090 EOGas Liner Bag 16" Impulse Sealer
- AN1092 EOGas Liner Bag 16" Vacuum Impulse Sealer
- AN820 2" by 200' Seal and Peel Roll Stock
AN830 3" by 200' Seal and Peel Roll Stock
AN850 5" by 200' Seal and Peel Roll Stock
AN870 7" by 200' Seal and Peel Roll Stock

ACCEPTED
with COMMENTS
In EPA Form 100-100

FEB 06 1991

Under the
Fungicide Act
as amended
registered under 111

9417-5

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Patents are pending on EOGas™ in:

- U.S.A.
- Canada
- France
- Great Britain
- Germany
- Italy
- Spain
- Japan

Manufactured by:
H.W. Anderson Products, Inc.
Health Science Park
Box 1050, Chapel Hill, NC 27514 USA
919-376-3000

EPA REGISTRATION NO. 9417-L
EPA ESTABLISHMENT NO. 9417-NC-001

ACCEPTED
with COMMENTS
in 1991
Date:

FEB 06 1991

Under
Function
as amended
registered under EPA Reg. No.

9417-5