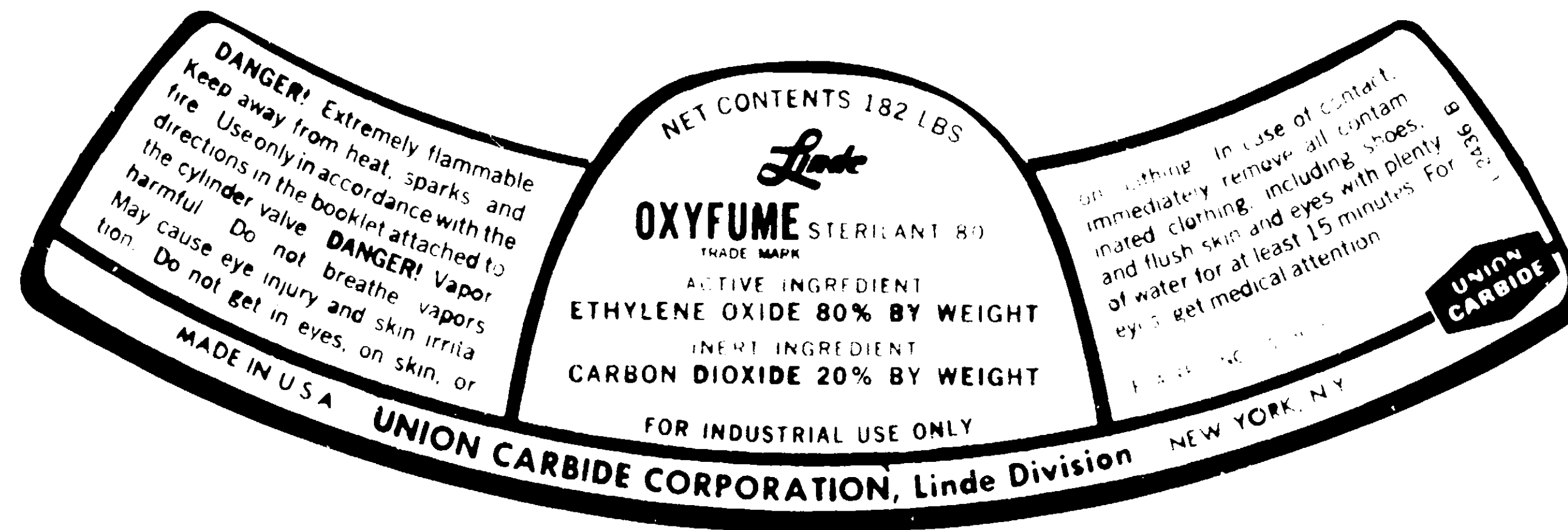


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DANGER

DANGER

**EXTREMELY
FLAMMABLE MIXTURE**

**OXYFUME Sterilant 80 is
Flammable When Mixed With Air
and May Explode if Ignited.**

Active Ingredient
Ethylene Oxide 80% by weight

Inactive Ingredient
Carbon Dioxide 20% by weight

**EXTREMELY
FLAMMABLE MIXTURE**

To maintain effectiveness, STORE IN A COOL
PLACE (preferably under 80°F). DO NOT
STORE IN SUN. See shoulder label for
additional warning.

OXYFUME Sterilant 80 GAS
TRADE MARK

FOR USE IN VACUUM FUMIGATION ONLY

APPROXIMATE PRESSURE WHEN FULL
175 PSIG AT 70°F.

FUMIGATION IN EVACUATED SYSTEMS

For a 36 psig chamber, using a 29" Hg
prevacuum requirements usually are:

Chamber Temperature	Fumigant in Pounds per 100 Pounds of material	Hours Time Exposure
100°F	0.35	12
120°F	0.50	6

1. Preheat material to 100°F for 1 hour.
2. Evacuate air—29" Hg.
3. Fumigate (expose material to gas)
4. Evacuate gas—29" Hg.
5. Break vacuum with Carbon Dioxide.
6. Evacuate—29" Hg.
7. Break vacuum with filtered air.
8. Aerate fumigated material.

NOTICE. Dry bacterial spores are especially
resistant. Material may require pretreatment
by holding in water vapor to rehydrate dry
spores before application of gas when RH is
below 30%.

FUMIGATION IN EVACUATED SYSTEMS

For Directions see Inside and Back Cover

Exposure time depends upon contamination.
Temperature and Pressure influence sug-
gested exposure time. The variations of type,
and quantity of material to be fumigated,
how packed, size of chamber, and types of
contamination to be treated also have an
effect upon the length of time of exposure
to produce proper fumigation.

Material may require pre-treatment.

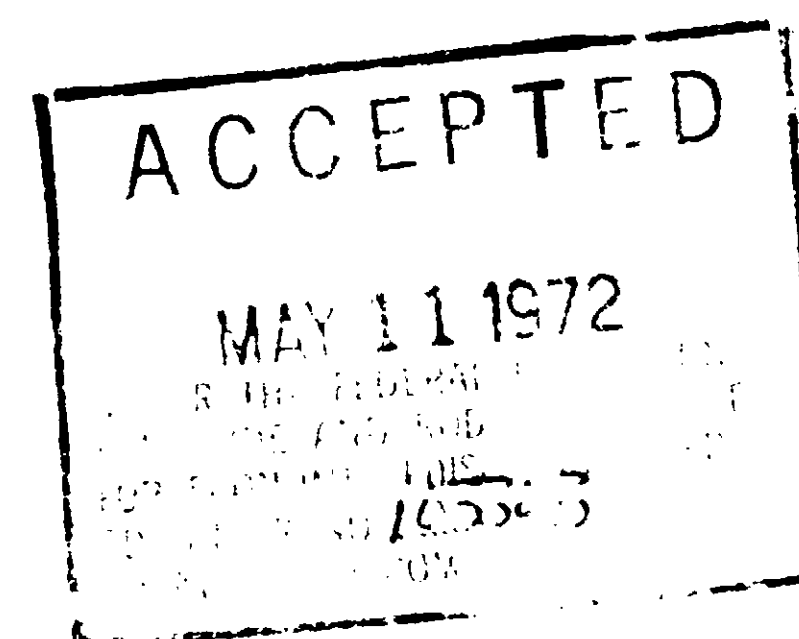
**UNION
CARBIDE**

UNION CARBIDE CORPORATION

LINDE DIVISION

270 PARK AVENUE, NEW YORK, N.Y. 10017

The Term "OXYFUME" is a registered Trade-Mark
of Union Carbide Corporation



FUMIGATION: Kills stored product insects. TO BE USED ONLY BY EXPERIENCED OPERATORS.

FOOD TREATMENT: FDA No. 121.1232 Ethylene Oxide.

Ethylene oxide, either alone or mixed with carbon dioxide or dichlorodifluoromethane, shall be used in amounts not to exceed that required to accomplish the intended technical effects.

Use as a fumigant for the control of microorganisms and insect infestation in grain, spices and other processed natural seasoning materials, except mixtures with added salt.

Ethylene Oxide residual limited to 50 ppm.

GENERAL PRECAUTIONS

1. KEEP THIS CONTAINER AND ITS CONTENTS AWAY FROM HEAT, LIGHTS, FLAMES, FIRES AND SPARK PRODUCING DEVICES. SEE WARNING ON BACK COVER.
2. Cylinders should be stored in a well ventilated area. When discharged from a cylinder in a confined space OXYGEN Sterilant 80 replaces the air and may be harmful. Do not breathe vapors.
3. PIPE LINES OR CYLINDERS MUST BE ELECTRICALLY GROUNDED BEFORE DISCHARGING IN ORDER TO AVOID STATIC SPARKS.
4. USE ONLY METAL CONNECTIONS AND PIPING capable of withstanding a working pressure of 400 pounds per square inch. NEVER USE RUBBER TUBING, HOSE OR GASKETS AS LIQUID ETHYLENE OXIDE ATTACKS RUBBER.

EXTREMELY FLAMMABLE MIXTURE

5. Cylinders should be secured to prevent tipping during discharge.
6. CYLINDER VALVE OUTLETS ARE PROVIDED WITH A LEFT HAND THREAD. DO NOT ATTACH ORDINARY PIPE FITTINGS TO THESE VALVES AND DO NOT APPLY SHELLAC OR JOINT COMPOUNDS TO VALVE THREADS. Secure from LINDE a Standard Assembly for attaching cylinders to vault pipe lines. Part No. 62Y15.
7. Use in accordance with the Sterilizer Manufacturer's directions.
8. COMPLY WITH ALL LAWS, ORDINANCES, AND REGULATIONS PERTAINING TO VACUUM STERILIZATION AND THE USE AND STORAGE OF FLAMMABLE MATERIALS.
9. PLACE WARNING SIGNS ON ALL ENTRANCES TO VACUUM CHAMBER ROOM NOTIFYING THAT STERILIZER IS IN OPERATION AND THAT THE STERILANT IS FLAMMABLE.
10. When sterilization is completed exhaust gas contents through water aspirator in accordance with the Sterilizer Manufacturer's directions. Return vault to room pressure with carbon dioxide or nitrogen commercial grade. Close Cylinder Valve.

Cameraman's Note

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ACCEPTED