

## OXYFUME® 2000

Oxyfume 2000 sterilant gas is a non-flammable, non-corrosive, toxic gas and liquid supplied under pressure. It is an EPA approved mix of HCFC-124 [hydrochlorofluorocarbon] with ethylene oxide.

Oxyfume is supplied as liquefied compressed gas, exhibiting a vapor pressure of 26 psig at 70°F. Oxyfume 2000 is colorless and has a normal boiling point of 20.1°F.



Oxyfume 2000 is used in large chambers, such as this 30 cubic foot hospital sterilizer, in which large devices and trays are more easily processed.

### FEATURES

#### Performance

- Tests of Oxyfume gas sterilizers show that they provide more margin of patient safety than any other type of low temperature gas sterilizer.

#### Safety

- Oxyfume 2000 is transported as a non-flammable gas. The gas does not burn when used in the sterilizing chamber or in contact with air.
- Oxyfume 2000, like other sterilizing chemicals, is toxic. Users should study Material Safety Data Sheet OXYF-0003 and become aware of product hazards and safety information, prior to use.

#### Environmental

- Oxyfume 2000 has lower ozone depletion potential (ODP) than the Oxyfume 2002 sterilant that it replaces.
- Due to the low ODP, the HCFC-124 contained in Oxyfume 2000 is government approved for manufacture until the year 2015.
- The ethylene oxide in Oxyfume 2000 has never been, and is not now, scheduled to be replaced.

#### Additional Resources

1. Alfa, MJ, and others, "Comparison of Ion Plasma, Vaporized Hydrogen Peroxide, and 100% Ethylene Oxide to the 12/88 Ethylene Oxide Gas Sterilizer," Infection Control and Hospital Epidemiology. 1996; vol. 17: pp. 92-100.
2. Oxyfume 2000 Material Safety Data Sheet, OXYF-0003.

#### Composition

Active Ingredient:	Ethylene Oxide	8.6 ±0.2% by weight
Inert Ingredient:	HCFC-124	91.4 ±0.2% by weight
EPA Pesticide Registration Number:	67470-8	
DOT/IMO Shipping Name:	Liquefied Gas, N.O.S. (Chlorotetrafluoroethane and Ethylene Oxide), 2.2, UN3297	

