

Ozone Regulations



General Regulations & Standards



U.S. Department of Labor
Occupational Safety & Health Administration

OSHA 29 CFR 1910.1000(a)(2) Table Z-1	“An employee’s exposure to any substance listed in Table Z-1 shall not exceed the 8-hour Time Weighted Average given for that substance any 8 hour work shift for a 40-hour work week. Ozone Permissible Exposure Limit (PEL) is assigned 0.1 ppm ”
Occupational Health and Safety Act of 1970, Section 5	“Each employer shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees”



NTIS Pub PB-94-195047 (1995)	Immediately Dangerous to Life or Health Concentration (IDLH) = Ozone 5 ppm Recommended Short Term Exposure Limit = 0.1 ppm ceiling
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Standard EC.02.02.01 (2009) Element of Performance #10	“ The hospital monitors levels of hazardous gases and vapors to determine that they are in safe range. Note: Law and regulation determine the frequency of monitoring hazardous gases and vapors as well as acceptable ranges.”
Element of Performance #9	“The hospital minimizes risks associated with selection, handling, storage, transport, use and disposing hazardous gases and vapors. Note: Hazardous gases and vapors include, but are not limited to, gluteraldehyde, ethylene oxide, vapors generated while using cauterizing equipment and lasers, and gases such as nitrous oxide.

Ozone Record Keeping Regulations



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29 CFR 1910.1020(d)(1)(ii)	“Each employee exposure record shall be preserved and maintained for at least thirty (30) years.. ”
29 CFR 1910.1020(c)(5)(i)	“Employee exposure record means a record containing any of the following kinds of information: Environmental (workplace) monitoring or measuring of a toxic substance or harmful physical agent.”
29 CFR 1910.1020(e)(1)(i)	“Whenever an employee or designated representative requests access to a record, the employer shall assure that access is provided in a reasonable time, place and manner.”

Health Risks



2008 Substance and Agents Listing TLVs and BEIs

Ozone:

- o 8 Hour Time Weighted Average Threshold Limit Value (**TLV**) = **0.05 to 0.2 ppm**
- o Classified as a primary irritant
- o TLV Basis = **Pulmonary Function**