Identification of Substance and Company

AURA

The low level of ozone is a byproduct of the clean process that takes place within an AURA unit is not hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200

Produced as a byproduct of ambient air entering a reaction chamber in AURA equipment, where an electrical field temporarily stabilizes low levels of this molecule within an environment where an AURA air purification system is installed.

The AURA technology is comprised of electromechanical air purification equipment that relies on electricity and the oxygen present in ambient air to produce marginal levels of reactive oxygen species where ozone is stabilized (average less than 0.05 ppm) within a treated area or space. Such treated area(s) should have consistent/constant airflow to provide a uniform distribution of the sanitizer.

Manufacturer/ Supplier
AURA Hygienic
1718 Capitol Avenue
Cheyenne, WY 82001

Product Name	Description	Use
AURA system	Air purification unit	Antimicrobial intervention
AURA equipment produces reactive oxygen species (OBM) through capturing ambient air and passing it through a controlled sealed reaction chamber that is powered by standard 110V electricity without the addition of any chemicals or additives. The production of OBM is marginal, measured in very low concentrations (parts per million/ppm) and when not reacting with carbon based compounds the remainder of the species revert back to oxygen. The AURA series has self-limiting power modules that are factory calibrated and fine-tuned in the field and include a PLC controller that further regulates the system according to the application.		

The following is an excerpt from the OSHA Permissible Exposure Levels

General Description
Synonyms: Triatomic oxygen OSHA IMIS Code Number: 1980 Chemical Abstracts Service (CAS) Registry Number: 10025-15-6 NIOSH Registry of Toxic Effects of Chemical Substances (RTECS) Identification Number: RS8225000 NIOSH Pocket Guide to Chemical Hazards - Ozone: Physical description, chemical properties, potentially hazardous incompatibilities, and more
Exposure Limits
OSHA Permissible Exposure Limit (PEL): **General Industry: 29 CFR 1910.1000 Table Z-1 – 0.1 ppm, 0.2 mg/m³ TWA** Construction Industry: 29 CFR 1926.55 Appendix A -- 0.1 ppm, 0.2 mg/m³ TWA Maritime: 29 CFR 1915.1000 Table Z-Shipyards -- 0.1 ppm, 0.2 mg/m³ TWA American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV): 0.2 ppm, 0.39 mg /m3 TWA All work loads National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limit (REL): 0.1 ppm, 0.2 mg/m3 TWA Cal OSHA PEL 0.1 ppm, 0.2 mg/m3 TWA

Additional NIOSH information

Physical Description Colorless to blue gas with a very pungent odor.
Incompatibilities & Reactivities All oxidizable materials (both organic & inorganic)
Exposure Routes inhalation, skin and/or eye contact - **Symptoms** Irritation with levels above PEL
Generic First Aid Breathing: Fresh Air; 100 O_2