



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
<p><i>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.</i></p>		

The following is an excerpt from the OSHA Permissible Exposure Levels

<p><b>General Description</b></p> <p>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: R58225000            NIOSH Pocket Guide to Chemical Hazards - Ozone: Physical description, chemical properties, potentially hazardous incompatibilities, and more</p>
<p><b>Exposure Limits</b></p> <p>OSHA Permissible Exposure Limit (PEL):  <b>General Industry: 29 CFR 1910.1000 Table Z-1 – 0.1 ppm, 0.2 mg/m<sup>3</sup> TWA</b>            Construction Industry: 29 CFR 1926.55 Appendix A – 0.1 ppm, 0.2 mg/m<sup>3</sup> TWA            Maritime: 29 CFR 1915.1000 Table Z-Shipyards – 0.1 ppm, 0.2 mg/m<sup>3</sup> TWA            American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV): 0.2 ppm, 0.39 mg/m<sup>3</sup> TWA All work loads            National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limit (REL): 0.1 ppm, 0.2 mg/m<sup>3</sup> TWA            Cal OSHA PEL: 0.1 ppm, 0.2 mg/m<sup>3</sup> TWA</p>

Additional NIOSH information

<b>Physical Description</b> Colorless to blue gas with a very pungent odor.
<b>Incompatibilities &amp; Reactivities</b> All oxidizable materials (both organic & inorganic)
<b>Exposure Routes</b> inhalation, skin and/or eye contact - <b>Symptoms</b> Irritation with levels above PEL
<b>Generic First Aid</b> Breathing: Fresh Air; 100 O <sub>2</sub>

*Disclaimer: The information on this reference sheet is intended to provide general knowledge as to safe handling/operation of the systems based upon our product use knowledge. This reference is limited to OBM produced in gaseous form on site by an AURA system, in air based applications and controlled conditions as designed by an expert team, for the purposes of control of carbon-based compounds, antimicrobial use or odor abatement in a variety of applications in food handling and processing. No handling or storage is required. It is not intended to be a specification nor guarantee specific properties nor is it applicable to unusual or non-standard uses of the product or where instructions or recommendations are not followed. AURA makes no representations or warranties, express or implied, of the merchantability or suitability of the product for any purpose, and will not be responsible for any damages resulting from the use of, or reliance upon, this information.*