

**Innovation Credit
Self-Generated Orbio Multi-Surface Cleaner**

To whom it may concern:

This letter affirms the use of self-generated Orbio multi-surface cleaner at the University of Massachusetts Medical School and affiliated hospital. UMMS has invested in the Orbio onsite generation system (OGS) to create a multi-surface cleaning product from tap water. The Orbio multi-surface cleaning solution is created when softened tap water and a small amount of salt are combined and the mixture flows through an electrolyte cell creating a 0.05% sodium hydroxide cleaning solution. Orbio multi-surface cleaner has no GHS hazard classification and does not meet the definition of a hazardous substance or preparation as defined by the OSHA and described in 29 CFR 1910.1200(d), UMMS is improving the health and wellbeing of our employees by minimizing exposure to hazardous cleaning chemicals.

Benefits to the on-site generation include:

- Waste reduction – Orbio multi-surface cleaner is dispensed into reusable spray bottles or directly into cleaning equipment and therefore reduces the number of containers of cleaning solutions brought on campus
- Minimizes use of hazardous cleaning chemicals – reduced the need to purchase harsher cleaning chemicals
- Improve Health and Wellbeing – reduces occupational exposure to hazardous chemicals since Orbio multi surface cleaner is

Self-generated Orbio multi-surface cleaner is used to clean approximately 1.7 million square feet for floors, equaling over 60% the cleanable square footage roughly on campus, is cleaned using Orbio multi-surface cleaner. In addition the multi-surface cleaner is used to clean other surfaces vertical surfaces as well.

In submitting this letter I am verifying both the extent and use of self-generated Orbio multi-surface cleaner is the University of Massachusetts Medical School and affiliated hospital.

Sincerely,



John Jepsen

Resident Regional Manager of Housekeeping Services

UMass Memorial Medical Center