



# TECHNICAL PRODUCT BULLETIN MultiMicro™ Concentrate



Tennant Company • 701 North Lilac Drive • Minneapolis, MN 55422  
800-553-8033 • www.orbio.com  
3/28/2014

Page 1 of 2

## DESCRIPTION:

MultiMicro *Concentrate* is produced on-site using the Orbio® os3 system. MultiMicro *Concentrate* is produced by passing weak salt brine through an electrolytic cell and changing the properties of the salt water into an antimicrobial solution. MultiMicro *Concentrate* is produced at a near neutral 5-6 pH, where the predominant active ingredient is hypochlorous acid. The os3 is an EPA-regulated Pesticide Device manufactured at an EPA registered establishment (EPA Est. No. 090643-KY-001).

## USES:

MultiMicro *Concentrate* is diluted 7.5:1 by the os3 system or an Orbio Satellite system to create a ready-to-use solution with 200 ppm free available chlorine (FAC) known as MultiMicro 200. MultiMicro 200 can be used as both a one-step cleaner-disinfectant as well as a surface sanitizer (food contact and non-food contact).

## STORAGE PRECAUTIONS & PROPERTIES:

Container:	Life of MultiMicro <i>Concentrate</i>
Store in os3 generator tank or refillable MultiMicro <i>Concentrate</i> transport container.	30 days

## MultiMicro *Concentrate* Physical Properties:

Property	Results
Active Ingredient	Hypochlorous Acid
% of Active Ingredient	0.15
ppm of Active Ingredient	1500
Color	Clear Colorless Liquid
Elemental Phosphate	None
Foam	None
Form	Liquid
Freeze Point	32°F (0°C)
Freeze/Thaw	Passes standard test of 3 freeze/thaw cycles
Odor	Slight Chlorine
pH of Solution	5-6
Solubility (Tap Water)	Completely Soluble
Viscosity	0.001 Pa.s@20°C
Wt. Per Gallon	8.67 lb/ gal.
Volatile Organic Compound (VOC)	None

---

**IMPORTANT:**  
**READ AND FOLLOW ALL PRECAUTIONS AND**  
**INSTRUCTIONS BEFORE PROCEEDING.**

---

---

**DIRECTIONS FOR USE**

---

**READ PRECAUTIONS ON LABEL BEFORE USING.**

- MultiMicro *Concentrate* is to be generated by an Orbio® os3 generator. May be stored in the Orbio os3 generator tank or refillable MultiMicro *Concentrate* transport containers.

---

**PERSONAL PROTECTIVE EQUIPMENT**

---

**The os3 generator and MultiMicro *Concentrate* transport containers are closed systems. When used as directed, operators do not come into contact with the solution.**

**EYE/ FACE PROTECTION:** Safety glasses or goggles are recommended. Contact with eyes may cause irritation with redness and tearing. Wear approved safety glasses as a good hygiene practice.

**SKIN PROTECTION:** Chemical resistant gloves are recommended to prevent skin contact. Under normal conditions of intended use, this material is not expected to be a skin hazard. Prolonged exposure may cause skin irritation.

---

**TECHNICAL SUPPORT / ORDERING**

---

For any questions, please call Orbio Technologies @ 1-800-553-8033.

---

---

**DISPOSAL OF SOLUTION**

---

Dispose in accordance with federal, state and local regulations.

---

**PLEASE SEE SAFETY DATA SHEET (SDS) FOR ADDITIONAL SAFETY INFORMATION AND PRECAUTIONS.**

**KEEP OUT OF THE REACH OF CHILDREN.**

**FOR INDUSTRIAL USE ONLY. NOT FOR RESIDENTIAL USE.**

---

**USE PRODUCT AS DIRECTED.**

---