

## MATERIAL DATA SAFETY SHEET

Prepared 01/23/2015 N/A = Does Not Apply | N/K = Not Known

### SECTION II - HAZARDOUS INGREDIENTS

**Product Name:** MegaMicrobes® (Bioredux) **Beverage Line Cleaner**  
**Common Name:** Beverage Line Digestant  
**Supplier/ Further Information:** NeoLogic Solutions, Inc.  
**Address:** 2299 Ridge Road, Greenville, SC 29607 (USA)  
**Emergency Telephone Num:** 800-553-7785

### SECTION II - HAZARDOUS INGREDIENTS

COMPONENT	CAS #	TLV (ppm)	% (in product)
Bacillus Spores (non-pathogenic)	N/A	N/A	<1
Glycerin	56-81-5	N/A	15
Citric Acid	77-92-9	N/A	<2

### SECTION III - HEALTH HAZARD

Acute Effects of Overexposure:  
 Skin: Could cause mild irritation and redness  
 Eyes: Can be irritating on contact  
 Inhale: Irritating to respiratory tract  
 Ingest: Irritation to gastrointestinal tract, nausea, diarrhea  
 Existing skin diseases may be aggravated by overexposure

Chronic effects of overexposure: Repeated or prolonged exposure may produce irritation of the skin.

HMIS Codes: Health 1; Flame. 0; React. 0; Personal Protection safety glasses, protective clothing and gloves. Avoid breathing vapors and mists.

### SECTION IV - FIRST AID MEASURES

First aid procedures:  
 Skin: Wash contaminated area with running water. Get medical attention if irritation develops.  
 Eyes: Check for and remove contact lenses. Immediately flush with plenty of water for at least 15 minutes. If irritation develops, consult a physician.  
 Inhale: Consult a physician.  
 Ingest: If product is swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to help prevent aspiration. If individual is alert, give plenty of water to drink. Never give anything by mouth to an unconscious person. Consult a physician.

### SECTION V - FIRE AND EXPLOSION DATA

Flash Point (F): None  
 Flammable Limits: LEL: N/A UEL N/A  
 Fire Fighting Procedure: use water vapor, foam or fog. Firefighters should wear proper protective equipment.  
 Fire Hazard: N/A

### SECTION VI - ACCIDENTAL RELEASE MEASURES

Spill Clean-up: Wear appropriate protective equipment. Put spilled material in appropriate waste disposal.

## SECTION VII - HANDLING AND STORAGE PROCEDURES

Handling: Avoid contact with eyes. Keep container closed. Wash thoroughly after handling. Avoid accumulation of product in enclosed spaces and generation of dust.

Storage: Keep container in cool well ventilated area. Keep container tightly closed. Store away from acids, alkali, and other incompatible materials. Keep out of the reach of children.

## SECTION VIII- EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye Protection:	Safety glasses
Protective Clothing:	Protective gloves and clothing
Respiratory:	Avoid breathing vapors

## SECTION IX- PHYSICAL AND CHEMICAL DATA

Boiling Point (F) N/A	Specific Gravity: 1.0—1.02	pH: 4.6—5.0
VOC content (%) <1	Evaporation Rate (Bu acetate=1): N/A	

## SECTION X - REACTIVITY DATA

Stability: Stable  
 Incompatibility: strong oxidizing agents, acids, alkali  
 Polymerization: will not occur  
 Hazardous Decomposition: carbon monoxide, carbon dioxide, and other organic materials

## SECTION XI - TOXOLOGICAL INFORMATION

Toxicity to animals  
 Oral (LD50) acute: not available  
 Dermal (LD50) acute: not available

## SECTION XII - ENVIRONMENTAL

Ecological Information—not available  
 Biodegradable/ OECD—not available

## SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Liquid wastes are not permitted in landfill. Consult local, state, and federal agencies for proper disposal in your area.  
 Classification: non-hazardous waste

## SECTION XIV - TRANSPORT INFORMATION

Proper Shipping Name: Water treatment compounds, bacterial culture  
 DOT Classification: Not a DOT controlled material  
 UN Number: N/A

## SECTION XV - REGULATORY INFORMATION

SARA 313 Toxic Chemical Notification and release reporting: No products found  
 Clean Water Act (CWA): Regulated substance-no product found  
 Clean Air Act (CAA): 112 regulated toxic substance-no product found

## SECTION XVI - OTHER INFORMATION

To the best of our knowledge the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.