



## PRODUCT DATA SHEET

# BIOLOGIC™ SR2

For use in Industrial Wastewater Treatment



### PRODUCT DESCRIPTION

SciCorp BIOLOGIC™ SR2 is a proprietary plant-based blend of organic micronutrients that stimulates specific aerobic, anaerobic, and facultative bacteria species. The product enables the rapid elimination of odors and efficient conversion of biosolids. BIOLOGIC™ SR2 does not contain bacteria or enzymes.

### WASTEWATER APPLICATIONS

For use in industrial wastewater treatment applications including Pulp & Paper, Food Processing, Ethanol, etc. (anaerobic or activated sludge, SBRs, BNRs, RBCs, Trickling Filters, and Aerated/Facultative/Anaerobic Lagoons)

### BENEFITS

- Accelerates the breakdown of biosolids and reduces operating costs related to aeration and sludge handling and disposal by up to 25%
- Reduces fats, oils and grease and scum
- Increases activity rates of bacteria and reactor efficiency
- Significantly reduces accumulated organic sediment/sludge in lagoons
- Eliminates odors: reduces formation of H<sub>2</sub>S, ammonia and mercaptans and eliminates complaints from workers and neighbours
- Increased removal efficiency and reduces effluent concentrations for BOD, COD, and P

### APPLICATION PROCEDURE

- Apply product at a continuous rate of between 1- 50 ppm based on wastewater flow at the headworks of the system. Dose rate is based on organic load and needs to be confirmed by a SciCorp engineer. (Product is typically metered into the system using a low flow liquid pump)
- For immediate odor control a shock dose may be recommended for lagoons/holding tanks where the product is diluted in water and sprayed over the surface of the lagoon/tank.

### PACKAGING

Product is sold in 5-gallon (20 L) pails, 55-gallon (210 L) drums or 265-gallon (1000 L) totes

### FEATURES

Non-toxic, environmentally friendly, and safe around people/animals (no special handling required)



#### KEY PRODUCT CHARACTERISTICS/PROPERTIES (see SDS for more details)

Physical state:	Liquid (store at temps between 40°F – 120°F)
pH:	3.0 – 4.0
Solubility in water:	99.9% in water
Stability/Shelf Life:	2 Years
Specific Gravity:	1:11 @ 72°F

### COMPOSITION

Contains active ingredients consisting of proprietary plant extracts, micro-nutrients, and minerals. Product is UL ECOLOGO® certified. There are no known chronic hazards associated with this product.