MicroC® 3200

PRODUCT INFORMATION

MicroC® 3200 is the lowest cost effective alternative to methanol on a $/lb. nitrogen removed basis and can be applied as a direct substitute to methanol in municipal and industrial wastewater facilities seeking to reduce cost and improve the performance and environmental sustainability of their operations.

COST EFFECTIVENESS

- Best value among flammable carbon sources
- Pricing below methanol on a $/lb N removed basis for the Mid-Atlantic and Northeastern United States
- Flexible pricing options available; spot or long term (fixed or indexed)

PERFORMANCE ADVANTAGES

- Enhanced kinetics due to ethanol and propanol content
- Lower risk of denitrifier washout
- Faster start-up and recovery
- Higher denitrification rates

ENVIRONMENTALLY SUSTAINABLE

- Produced in the United States (most methanol is imported)
- Recycled byproduct

CONSISTENT & SUPERIOR QUALITY

- Rigorous end to end quality control program
- Consistent Chemical Oxygen Demand (COD) values
- No product degradation during long-term storage

VALIDATED PERFORMANCE

- MicroC® products in use at over 550 plants in North America
- Performance validated by leading equipment/process suppliers, consulting engineers and academic institutions
- Denitrification test report available
- Full scale, documented performance validation and references available
- 0% VOC on WWTP effluent (EPA 8260B)

TECHNICAL SERVICES

- Application guidance from team of BNR/contaminant removal experts
- Dedicated support to ensure achievement of contaminant removal goals

SUPPLY CHAIN CAPABILITY

- 20 nationwide MicroC® manufacturing facilities provides redundancy and flexibility, reducing the risk of supply and quality interruptions even during drastic demand changes
- Extensive multi-industry raw material sourcing capability and vast storage infrastructure facilitates ability to offer long term, fixed pricing
- An expansive supply chain infrastructure designed for proximity to customers, reduces transportation costs and improves responsiveness

PACKAGING

- Bulk (up to 6,800 gallons)
- Packaged product currently unavailable

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TECHNICAL SPECIFICATIONS

PROPERTY	SPECIFICATIONS	TYPICAL VALUE	TEST METHOD
Specific Gravity at 20°C	0.79	0.79	ASTM D 891
Bulk Density (lbs/gal)	6.6	6.6	ASTM D 891
Viscosity (cPs) at 20°C	10, max	1	ASTM D 2196-10
Solubility	100%, min	100%	ASTM E1148
COD (mg/L)	1,075,000 min.	1,130,000	ASTM D 1252
Methyl Alcohol	>90%	95%	GC/FID
Water	<10%	4.0%	ASTM E 203
Methyl Acetate	<2%	1%	GC/FID
Color	Colorless to Yellow	Colorless	
Clarity	Clear	Clear	