

MICRO[®] A07

CITRIC ACID CLEANER



FEATURES & BENEFITS:

Micro[®] A07 is a powerful blend of chelating citric acid and anionic surfactants designed to remove inorganic material from filter membranes, metal parts, reactors, labware and industrial equipment.

- Biodegradable
- Free rinsing
- Highly concentrated – economical
- Easy-to-mix liquid
- Validation methods available
- NSF certified USDA A1 cleaner
- Orally non-toxic
- A safe alternative to mineral acids and corrosives

CLEANING METHODS: • CIP • COP • Manual • Ultrasonic • Mild agitation

SOILS REMOVED:

Target soils include milkstone, hard water scale, rust, mineral deposits and other inorganic soils.

Appearance	Clear, colorless to pale yellow
Biodegradable	Yes
Chelant	Citric acid
Phosphate free	Yes
Corrosive	No
Foam	Yes
Odor	Mild
pH, neat	3.0
pH, 2%	2.9
VOC (ASTM D2369)	1.4%

Specific gravity	1.140
Cloud point °C	>100
Pour point °C	-5.8
Freezing point °C	-8.0
Boiling point °C	100
Draves 1% (seconds)	24.0
Draves 2% (seconds)	8.0
Flash point	Not applicable
Storage temperature range	36° - 109°F / 2° - 43°C

TECHNICAL DATA SHEET



DIRECTIONS:

Cleaning tasks tend to require individualized procedures that are developed empirically, however, the following general points pertain to most applications. The cleaners are concentrates and should be diluted with water before use - 1.0% to 2.0% cleaner in water is recommended. Experiment with controllable variables, including the temperature of the solution, dwell time, the type of cleaning action, the concentration of detergent in the solution, and the type of water used. A thorough rinsing or flushing step should follow cleaning. For critical cleaning applications use deionized or distilled water. For food contact surfaces, rinse with potable water. Maximum usage temperature: 150°F (66°C).

STORAGE:

Store between 2° - 43° C (36° - 109° F) in a cool, dry, well-ventilated area. Protect containers from sunlight and keep closed when not in use. Use only stainless steel, polyethylene, or plastic-lined containers for storage. The shelf life of Micro[®] A07 is 5 years from the date of manufacture.

DISPOSAL:

Unused, Micro[®] A07 is not hazardous waste. However, once contaminated with soils through the cleaning process, it is the responsibility of the user to determine whether the waste is hazardous, and requires special disposal procedures. Please refer to the SDS for details.

CLEANING DILUTION CHART:

To Determine How Much Cleaner to Use...

1. Use the table below and find the size of your cleaning tank.
2. Select a concentration of cleaner that works for your application.
A solution of 1-2% cleaner in water is a recommended starting point.

Note: Adding water to the solution too quickly may cause some cleaners to foam. To avoid this, pour the water first, then add the cleaning solution.

U.S. TANK SIZES (concentration of cleaner)				
Tank Size	0.5%	1.0%	2.0%	5.0%
1 Quart	1/6 ounce	1/3 ounce	2/3 ounce	1½ ounces
1 Gallon	2/3 ounce	1¼ ounces	2¾ ounces	6½ ounces
3 Gallons	2 ounces	3¾ ounces	7¼ ounces	19¼ ounces
5 Gallons	3¼ ounces	6½ ounces	12¾ ounces	1 quart
10 Gallons	6½ ounces	12¾ ounces	25½ ounces	2 quarts
25 Gallons	16 ounces	1 quart	2 quarts	1¼ gallons
50 Gallons	1 quart	2 quarts	1 gallon	2½ gallons
100 Gallons	2 quarts	1 gallon	2 gallons	5 gallons

SIZES AVAILABLE:

M-0801-12	M-0820	M-0890	M-0895
1 liter container (12 per case)	22.5 kg net wt. container	225 kg net wt. plastic drum	1,125 kg net wt. plastic tote