

GENERAL DESCRIPTION

ProKlenz ONE High Performance Alkaline Cleaner is a broad-spectrum detergent designed to meet the demands of the biopharmaceutical, pharmaceutical, medical device, nutraceuticals, cosmetics and other regulated industries. The surfactant system engineered for ProKlenz ONE cleaner, along with its alkalinity and other components, effectively removes a wide range of process residues from fermentation by-products to silicone based emulsions and lubricants at temperatures greater than 45°C (113°F). ProKlenz ONE cleaner can be used for all cleaning applications including high-energy applications such as recirculating spray or eductor return systems. ProKlenz ONE cleaner also provides broad-spectrum disinfection of hard, nonporous surfaces including stainless-steel manufacturing, holding, filling and packaging equipment.

FEATURES

Formulated alkaline detergent effective in hard water. Safer than solvents.

Low foaming across a wide temperature range

Free rinsing with High Performance Liquid Chromatography (HPLC) analyzable surfactant

Both specific and nonspecific methods available to detect cleaning agent residues

Contains biodegradable surfactants and chelating agents

Bactericidal and virucidal activity

Biofilm Removal

BENEFITS

Cleans a broad-spectrum of soils with multiple cleaning mechanisms

Can be used in high-impingement spray applications

Easily rinsed from equipment surfaces. Saves time and reduces utility consumption. Facilitates validation

Makes analytical method validation easier for regulatory compliance

Environmentally friendly. Complies with EC 648/2004

EPA registered (North American Only) broad-spectrum disinfectant and virucide (Poliovirus type 1)

Kills biofilm on hard, non-porous surfaces. *Pseudomonas aeruginosa*, *staphylococcus aureus* tested as biofilms.

PHYSICAL PROPERTIES

Form Light yellow to amber

Odor None

Specific Gravity (25°C [77°F]) 1.18, typical

pH (1% solution) 12.5, typical

Solubility Complete

Foam Low at temperatures above 45°C (113°F)

DISINFECTION PROPERTIES

ProKlenz ONE cleaner is registered with the Environmental Protection Agency (EPA) as a broad-spectrum disinfectant. ProKlenz ONE cleaner is effective against *Staphylococcus aureus*, *Salmonella enterica* and *Pseudomonas aeruginosa* when used at 1% v/v concentration in water with 5% blood serum and 250 ppm of hard water at 60°C (140°F) for at least five-minute contact time.

VIRUCIDAL PROPERTIES

ProKlenz ONE cleaner is registered with the Environmental Protection Agency (EPA) as a virucide. ProKlenz ONE cleaner is effective against Poliovirus (type 1) when used at 1% v/v concentration with 5% blood serum and 250 ppm of hard water at 60°C (140°F) for at least 10-minute contact time.

BIOFILM REMOVAL PROPERTIES

ProKlenz ONE cleaner is registered with the Environmental Protection Agency (EPA) for removal of biofilm. ProKlenz ONE cleaner kills biofilm bacteria (*Pseudomonas aeruginosa* and *Staphylococcus aureus* tested as biofilms) on hard, non-porous surfaces.

Pre-clean surfaces to remove gross or visible soil then thoroughly wet surface with ProKlenz ONE cleaner at a 5% use solution with de-ionized water at 60°C (140°F) for at least 10 minute contact time. Rinse thoroughly with water following treatment.

DIRECTIONS FOR USE

The dilution rate of this concentrate as a cleaning agent depends on the residues, soil conditions and application method, but typically range from 0.5 to 6.0 oz/gal of water. Contact your STERIS sales representative for recommendations based on the above situation or for methods for testing for residual concentrations of ProKlenz ONE cleaner.

ProKlenz ONE cleaner is recommended for use to clean hard, nonporous surfaces in manufacturing equipment and automatic washing equipment including mixing vessels and packaging equipment. Surfaces should be rinsed with water after use of this product.

For use as a disinfectant or virucidal cleaner, prepare a 1% v/v use solution. Preclean all heavily soiled surfaces. Product must be applied to surfaces by circulating coarse spray or direct immersion for a contact time of at least five minutes for a disinfectant and 10 minutes for virucide while maintaining a temperature at or above 60°C (140°F). Following applications, rinse product contact surfaces with water. Do not apply product by manual spraying or by means that produce inhalable particles.

STORAGE AND DISPOSAL

Storage

Keep in original container. Keep out of reach of children. Do not freeze.

Disposal

Do not contaminate ponds, waterways or ditches with chemical or used containers. Empty containers should be rinsed thoroughly and discarded in an appropriate waste container. (Containers may be offered for reconditioning/recycling.) Empty containers should not be used for other purposes. Unused material may be a hazardous waste due to its high pH and subsequent corrosivity. Disposal of unwanted product should be done in accordance with local, state or national legislation. Product may be flushed to a sanitary sewer with copious amounts of water, if in accordance with state, local and federal regulations.

SERVICE

Sales

Service is one of the most important ways to verify consistent quality of a facility's performance and operation. A tailored service program by STERIS provides effective, trouble-free operations.

Technical

STERIS is pleased to provide a completely staffed and equipped technical service laboratory capable of performing needed tests and providing both telephone and on-site assistance when needed. More details on how this service can benefit a facility's particular situation can be provided upon request.

PRECAUTIONS

Information concerning human and environmental exposure may be reviewed on the Safety Data Sheet (SDS) for the product. For additional information regarding incidents involving human and environmental exposure, call 1-314-535-1395.

For further information, please contact:



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