

GENERAL DESCRIPTION

LabKlenz 100 Alkaline Detergent is a broad-spectrum, phosphate-free detergent designed to meet the high demands of the research laboratory environment. LabKlenz 100 Alkaline Detergent effectively removes a wide spectrum of soils including proteins and other organic soils in both hard and soft water. LabKlenz 100 Alkaline Detergent is safe to use with most substrates including aluminum and polycarbonate. LabKlenz 100 Alkaline Detergent can be used for most cleaning applications including glassware washers and manual scrub.

FEATURES

Formulated, aqueous alkaline detergent
 Contains chelating agents
 Low foaming across a wide temperature range
 Contains biodegradable surfactants

BENEFITS

Effective against a broad-spectrum of soils with multiple cleaning mechanisms.
 Effective in both hard and soft water.
 Can be used in high-impingement spray applications.
 Environmentally friendly. Complies with EC 648/2004.

PHYSICAL PROPERTIES

Form Translucent yellow liquid
 Odor Mild
 Specific Gravity (25°C [77°F]) 1.15, typical
 pH (1% w/w solution) 11.5, typical
 Solubility Complete
 Foam Low and controlled

DIRECTIONS FOR USE

Typical use-concentrations of LabKlenz 100 Alkaline Detergent range from 1-4% (v/v). The use-concentration is determined by the type of soil and water conditions. Typical operating temperatures range from ambient to 80°C (176°F). LabKlenz 100 Alkaline Detergent can be added manually or through automatic feed equipment.

TESTING FOR USE-DILUTIONS OF LABKLENZ 100 ALKALINE DETERGENT

Use titration Test Kit EQ 1411 with Indicator A and Acid 5

Concentration	1/4 oz./gal (0.2%)	1/2 oz./gal (0.4%)	1.0 oz./gal (0.8%)	1-1/2 oz./gal (1.2%)	2.0 oz./gal (1.6%)
Drops of Acid 5	1	3	7	11	14

Test Kit EQ 1411 contains Acid 5 (1 N HCL) and Indicator A (Phenolphthalein). The sample solution is measured by filling a small vial (10 ml) that comes in the test kit. This solution is then added to a larger vial. Three drops of Indicator A are added to the test solution and swirled. Acid 5 is then added drop-wise to the test solution until it turns colorless and stays colorless with swirling. The number of drops required to complete the titration are counted and recorded. Compare these results with the chart above. A control using Indicator A and make-up water should be run and subtracted from the test solution value.

STORAGE AND DISPOSAL

Storage

This product should be stored in an area where it is not exposed to extreme temperatures. Product may freeze. Swirls and precipitate may occur in frozen material, but readily go into solution when thawed and mixed.

Disposal

Flush with plenty of water to the sanitary sewer. Dispose of in accordance with local, state 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 operation.

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 Material Safety Data Sheet (MSDS) for the product. For additional information regarding incidents involving human and environmental exposure, call 314-535-1395.

For further information, please contact:

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