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PRODUCT SPECIFICATIONS SHEET

Alkapro Liquid Product Series

Description: A concentrated liquid preparation which includes high concentrations of alkaline (serine) proteinase (protein digesting enzyme). Proteinases catalyze the hydrolysis of protein polymers into their component amino acids and peptides. While the complex polymeric protein in its original form may be practically insoluble, the amino acid components are more readily soluble or emulsifiable in aqueous solutions. Alkapro Liquid has many applications over the pH range of 6.0 - 10.5. It is extremely resistant to the effects of chelating agents and detergents. This protease is very rigorous and non-specific in its degrading effects. This enzyme is compatible with sodium tripolyphosphate, EDTA, sodium hexametaphosphate, tetrasodium phosphate, non-ionic detergents, sodium perborate, and many anionic and cationic surfactants.

Purpose: As a concentrated source of hydrolytic protein-degrading enzymes for use in industrial applications including x-ray film processing for silver recovery, industrial equipment cleaning and maintenance. Also used in detergents and pre spotters, and many other applications where broad range proteolytic activity is desired.

Activity:	Alkapro 150 Liquid	150,000 PC/gram
	Alkapro 250 Liquid	250,000 PC/gram

Unit Definition: One bacterial protease unit (PC) is defined as that quantity of enzyme that produces the equivalent of 1.5 mg per mL of L-tyrosine per minute under the conditions of the assay.

pH Optimum: 7.0 - 10.5, activity range pH 3.5 - 10.5.

Storage Conditions: For optimal activity store in cool dry place under 100°F. Standard shelf life under these conditions is 2 years.

Danger: May cause allergy or asthma or breathing difficulties if inhaled. Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation, wear respiratory protection. Consult safety data sheet before handling and storing this product.

Package Sizes: 5 gallon pail and 55 gallon drum