

ZEN

MULTI-FUNCTION MACHINE DETERGENT

ARTG No: 125529

BENEFITS:

- pH neutral- excellent material compatibility
- Concentrated formula
- Shorter wash cycles required
- Phosphate free- environmentally friendly formulation
- Wash cycle temperature of 55°C instead of up to 65°C
- Passes commercially available simulated soil tests (including Browne's and TOSI)

ZEN is a pH neutral multi-function machine detergent developed for the automated cleaning of medical instruments. ZEN'S revolutionary formula utilises complex surfactant technology to produce superior cleaning efficacy on medical instruments with minimal foaming.

Materials compatibility is a critical issue in the current sterilising environment within healthcare. Instrument manufacturers continue to produce an increasing array of anodised instruments which are extremely sensitive to chemicals with a high pH. ZEN utilises a pH neutral formula which provides the ultimate in materials compatibility. This allows for all types of instruments and sterilising trays to be processed through the same Washer Disinfector, eliminating costly human error and damage to instruments when instrument processing mistakes occur.

The formula of ZEN is concentrated which reduces freight costs, improves OH&S by reducing lifting frequencies and subsequent staff injuries, and decreases packaging waste to reduce environmental impact.

ZEN's unique surfactant formula also contains ground breaking protease, amylase and lipase enzymes to assist in the breakdown of blood, body tissue, carbohydrates, mucopolysaccharides and lipids. The formulation has been designed to also maximize the stability of the enzymes during storage, by blocking the action of the proteolytic enzymes in the concentrated detergent. Simply diluting the product to its recommended in use concentration regenerates the free enzymes, ensuring that even at the end of the products shelf-life Zen's proteolytic activity is at its peak performance.

In addition, Zen's lower operating temperature helps to ensure optimal enzymatic activity, and reduces thermal denaturing of proteinaceous soils. This allows ZEN to pass a number of Qualitative (Pass/Fail) simulated soil tests commonly used in today's sterilising environment.

Shorter wash cycles mean faster Washer Disinfector turnaround times. ZEN allows a faster wash cycle when compared to other Neutral Machine Detergents by achieving faster surface substrate interaction.

ZEN has an optimum wash cycle temperature of 55°C as opposed to other products which may be up to 65°C. This significantly reduces energy consumption over time. Environmentally friendly and biodegradable materials have been specifically sourced for the formulation of ZEN. Packaging waste has been reduced by ZEN's concentrated formula, further reducing the impact on the environment.

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DIRECTIONS FOR USE: Optimum temperature for use: 55°C

Condition	Washer Disinfectant or Ultrasonic
Moderate Soiling:.....	3 mL/L
Heavy Soiling:.....	5 mL/L

Note: Increased detergent dosage is required for Hard Water. Treatment of water (RO, DI or Filtration) prior to Washer Disinfectant will significantly improve wash outcomes. Washer Disinfectants should have a range of cycles programmed appropriate to your department’s requirements. Programs should be determined in consultation with your Whiteley Medical representative and Washer Disinfectant technician to ensure maximum efficiency is achieved.

Ultrasonic: Dispose of solution when dirty (cloudy) or after each cleaning cycle.

Caution: Due to the possibility of creating aerosols with Ultrasonic Cleaners it is recommended that lids or other suitable engineering control measures are used while these devices are operating. Micro aerosols may increase allergenicity potential for some individuals.

CHEMICAL COMPOSITION AND PROPERTIES:

Colour (Concentrate):.....	Clear light brown liquid
Odour:.....	Characteristic
pH (Concentrate):.....	7.0-8.0
Solubility:.....	Completely Soluble
Rinsibility:.....	Rinsible
Specific Gravity:.....	Approximately 1.05
Dangerous Goods Rating:.....	Nil
Hazardous Substances Classification:.....	Not classified as hazardous
Shelf Life:.....	18 months

HEALTH AND SAFETY STATEMENT: There is no way of predicting an individual’s response to cleaning or disinfecting products. All cleaning and disinfecting products have a potential to cause skin and other irritation in susceptible individuals. Direct physical contact with the skin should be avoided. If irritation does occur when using this product or any other cleaning/disinfecting solution then the individual should be removed from direct contact with the solution until a satisfactory safe working environment for that individual is determined.

SAFETY DATA: Information is listed on the Material Safety Data Sheet.

PACKSIZE: 2 x 5 Litre (Wide Neck), 15 Litre

ENVIRONMENTAL STATEMENT: Whiteley Corporation manufactures products that comply with Australian and International environmental policy. Whiteley Corporation aims to ensure that every product is 100% biodegradable, whilst achieving optimal performance and benefit to customers. All Whiteley Corporation products are supplied in 100% recyclable containers. Whiteley Corporation and its staff are fully committed to ensuring that our Australian environment and those international environs in which our products are used are enhanced by the use of technology, and that these environments are preserved for the enjoyment of future generations.

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