

ZEN

MULTI-FUNCTION MACHINE DETERGENT

BENEFITS:

- pH neutral- excellent materials compatibility
- Concentrated formula- uses up to 50% less than other detergents
- Shorter wash cycles required
- Environmentally friendly
- Wash cycle temperature of 55°C instead of up to 65°C
- Passes commercially available simulated soil tests (including Browne's and TOSI)
- Cleaning efficacy rivals alkaline detergents- proven by ATP Testing

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 (7) 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. In addition, Zen's lower operating temperature helps to ensure peak enzymatic activity, and reduces thermal denaturing of proteinaceous soils.

ZEN is formulated with a unique blood anticoagulant which may assist in preventing the formation of fibrin, as well as haemolytic surfactants which may assist in the breakdown of blood based soils by virtue of the lysing of blood cells.



ZEN passes a number of Qualitative (Pass/Fail) simulated soil tests commonly used in today's sterilising environment. When used according to directions **ZEN** passes the TOSI test and Browne's Soil Test. Using qualitative ATP Testing *in-situ* the cleaning efficacy of Zen matches alkaline detergents.

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.

DIRECTIONS FOR USE:

Optimum temperature for use: **55°C**

Condition:	Washer Disinfector 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 Disinfector will significantly improve wash outcomes. Washer Disinfectors 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 Disinfector technician to ensure maximum efficiency is achieved.

Ultrasonic: Discard diluted solutions when hazy (dirty) or after each cleaning session.

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.

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

PACKS: 2x5L wide neck, 15L



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:.....	2 years

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.

ENVIRONMENTAL STATEMENT:

Whiteley Medical manufactures products that comply with Australian and International environmental policy. Whiteley Medical aims to ensure that every product is 100% biodegradable, whilst achieving optimal performance and benefit to customers.

All Whiteley Medical products are supplied in 100% recyclable containers.

Whiteley Medical 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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