



A Whistle & Co (1979) Pty Ltd t/as ElectroDry  
 ACN 001 267 054  
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## ELECTRO-SHIELD™ DISINFECTION BIOTECH SERVICES CARPET & UPHOLSTERY DISINFECTANT

<b>Rheology</b>	<b>ELECTRO-SHIELD UTILIZES HealthGuard® AMIC</b>
<b>Use</b>	<b>HealthGuard® AMIC forms the basis of the formulation of ElectroShield.</b>
	<b>HealthGuard® AMIC</b> is a concentrated anti-microbial finish especially formulated for use in the textile industry.
	<b>HealthGuard® AMIC</b> can be applied to all types of textiles and is compatible with silicone cationic finishing agents.
	<b>HealthGuard® AMIC</b> can be applied with Fluorocarbon finishes, flame retardant finishes and all resin systems and cationic or nonionic softeners normally used in textile finishing. Feathers, fabrics and polyurethane foams and fibres, which are treated with <b>HealthGuard® AMIC</b> will have long lasting anti-microbial protection.
	<b>HealthGuard® AMIC</b> is a specialty product developed to protect carpets, polyester fibre, bedding, curtains, furnishings, soft toys and foam from a broad spectrum of bacteria, germs and mould and other microorganisms.
<b>Appearance</b>	Clear/opaque liquid
<b>Solubility</b>	Soluble, in esters and glycols.
	Emulsifiable, in water.
<b>Reaction</b>	pH is 6.0 - 9.0
<b>S.G @ 20°C</b>	0.98
<b>Ionic Nature</b>	Cationic
<b>Biodegradability</b>	95% to 100% OECD 302 C





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<b>Test Microorganisms</b>	<i>Staphylococcus aureus</i> ATCC 6538	<i>Escherichia coli</i> ATCC 112229
	<i>Proteus mirabilis</i> ATCC 14153	<i>Pseudomonas aeruginosa</i> ATCC 15442
	<i>Candida albicans</i> ATCC 10231	<i>Enveloped and Flu virus (outside of the human body)</i>
<b>Advantages</b>	Binds to fibres of textiles and fabrics such as carpets and upholstery for long lasting protection without affecting colour;	
	Targets a broad spectrum of bacteria, germs and microorganisms outside of the human body on hard surfaces;	
	No effect upon wash fastness;	
	Safe and hygienic;	
	Controls a broad spectrum of gram positive and gram negative microorganisms;	
	Preserve fabric to a hygienic standard;	
	Will prevent discolouration due to microbial attack.	
<b>Special Features</b>	<b>HealthGuard® AMIC</b> is ideal for application to mattress tickings and all other bedding accessories.	
	<b>HealthGuard® AMIC</b> can be sprayed onto polyester fibre and feathers used in continental quilts and pillows.	
	<b>HealthGuard® AMIC</b> when incorporated into polyurethane foam will protect foam from microbial attack.	
	<b>HealthGuard® AMIC</b> can be sprayed onto carpets as a topical treatment to prevent odours caused by microbial attack.	





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<b>Special Features</b>	<b>HealthGuard® AMIC</b> treated articles will effectively kill microorganisms which cause odours.
<b>Mode of Action</b>	<b>HealthGuard® AMIC</b> provides ongoing protection against a broad spectrum of bacteria and other microorganisms which can accumulate and multiply both upon the surface and inside many textile substrates.
<b>Test Results</b>	<b>HealthGuard® AMIC</b> has been scientifically formulated and all tests have been carried out and/or in progress by independent testing authorities, giving you and your customer's complete satisfaction.
<b>Application</b>	For Bacteria, Mould, and other microorganisms a total amount of 1.0 – <4.0% of <b>HealthGuard® AMIC</b> on the weight of goods should be applied.
	<b>HealthGuard® AMIC</b> can be applied by spraying.
	<b>HealthGuard® AMIC</b> can be applied by padding and exhaust methods.
	<b>HealthGuard® AMIC</b> can be applied in conjunction with acrylic dispersions.
	<b>HealthGuard® AMIC</b> will migrate into the polymer.
<b>Drying Temperature</b>	Up to 120°C
<b>Storage</b>	Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition source. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect against physical damage and check regularly for leaks. Do not store unused portions. Do not back fill unused portions to the concentrate.





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<b>Incompatibilities</b>	Avoid storage with oxidisers.
	Avoid contamination of water, foodstuff, feed or seed.
<b>Transport</b>	No restrictions.
<b>Special Handling</b>	Thoroughly clean hands after handling of this product.
	Do not allow spills to enter waterways.
	See Safety Data Sheet (SDS) for further information.
<b>Furthermore</b>	
<p><b>HealthGuard® AMIC</b> is manufactured in Australia by HealthGuard Corporation Pty Ltd, blended, packaged and distributed by KleenHealth Australia Pty Ltd for A Whistle &amp; Co (1979) Pty Ltd t/as Electrodry under the Brand name Electro-Shield.</p> <p>A Whistle &amp; Co Pty Ltd/tas Electrodry and it's franchisees has a responsibility to take reasonable care for our own health and safety, and the health and safety of others, who may be affected by our acts, or omissions.</p> <p>This Technical Data Sheet (TDS) at the date of issue has application rates and some Health and Safety Information of the product. To know more on how to safely handle and use this product in the Workplace please be fully trained, read and understand our Safety Data Sheet (SDS) before purchasing and using this product.</p> <p>All information given is to the best of our knowledge, and because we cannot anticipate or control the conditions of the end use of this product, prior to usage, each user must determine by reviewing this TDS and our SDS, for the Safe Handling and usage of this product in the Workplace.</p> <p>Electrodry Carpet Cleaning believe this information to be reliable, and in good faith, but no guarantees or warranties of any kind are made as to its accuracy, or suitability to particular applications due to variations in methods, conditions and equipment. When Electrodry Carpet Cleaning provides information and service involving skill, assistance, judgment, recommendations, and or advice, this is done to the best of our knowledge only, information is not to be relied upon.</p> <p>Full scale testing and performance of the end product in the field of service is the responsibility of the end user. For further information or classification of certain points to ensure that the user has made a proper assessment and reasonable precautions have been applied, please contact Electrodry Carpet Cleaning 02 4911 4600.</p>	

