



HealthGuard[®] BB

Use	<p>HealthGuard[®] BB is a concentrated anti-bed bug, anti-dust mite and anti-microbial agent especially formulated for use in the textile, paint and plastics industry.</p> <p>HealthGuard[®] BB can be applied to all types of textiles, paint and coatings and is compatible with most finishing agents.</p> <p>HealthGuard[®] BB can be applied with Fluorocarbon finishes, flame retardant finishes and all resin systems and softeners normally used in textile, paint and plastics industry.</p> <p>Surface coatings that are treated with HealthGuard[®] BB will have long lasting, anti-bed bug, anti-dust mite and anti-microbial protection.</p> <p>HealthGuard[®] BB is a speciality product developed to protect bedding, beds, carpets, clothing, curtains, furnishings, soft toys and other outdoor camping items from bed bugs, dust mites and a broad spectrum of Bacteria, Yeast, Mould and Algae's.</p>
Appearance	Clear yellow liquid
Solubility	Soluble, in esters and glycols Emulsifiable in water
Reaction	pH of 1% emulsion is 4.0 - 6.0
Compatibility	Compatible with most textile finishing agents, paint formulations and polymers used in coatings.
S.G @ 20°C	0.92
Ionic Nature	Anionic
Biodegradability	95% to 100% OECD 302 C
Advantages	<ul style="list-style-type: none">• Effective control of Bed Bugs;• will not affect colour;• no effect upon wash fastness;• safe and hygienic;• compatible with textile finishing;• controls a broad spectrum of gram negative and gram positive bacterial moulds, fungus, yeasts and algae;• preserve fabric to a hygienic standard;• will prevent discolouration due to microbial attack.
Special Features	<p>HealthGuard[®] BB is ideal for application to mattresses, beds, carpets, military uniforms, tents, sleeping bags and all outdoor gear.</p> <p>HealthGuard[®] BB can be sprayed onto carpets as a topical treatment to prevent odours caused by microbial attack and will control and prevent the infestation of treated articles by bed bugs.</p>

Special Features cont... **HealthGuard® BB** can be mixed with flexible acrylic resins for application to polyester and nylon yarns used in the manufacture of outdoor articles.

HealthGuard® BB treated articles will effectively kill and repel dust mites and microorganisms, which cause odours and discolouration.

Mode of Action **HealthGuard® BB** provides protection against bed bugs, dust mites and a broad spectrum of Moulds, Bacteria, Yeast and Algae's, which can accumulate and multiply both upon the surface and inside many textile substrates.

HealthGuard® BB prevents the growth of MRSA and VRE bacteria on treated fabrics and surfaces.

HealthGuard® BB acts on two fronts:-

1. Inhibits the growth of a broad spectrum of Bacteria, Mould, Yeasts and Algae;
2. Proven bed bug and dust mite repellent and inhibitor.

Test Microorganisms	Moulds:	<i>Aspergillus Niger</i>	<i>Penicillium funiculosum</i>
		<i>Chaetomium globosum</i>	<i>Ulocladium consortiale</i>
	Bacteria:	<i>Bacillus subtilis</i>	<i>Pseudomonas aeruginos</i>
		<i>Enterobacter aerogenes</i>	<i>Pseudomonas fluorescens</i>
		<i>Escherichia coli</i>	<i>Staphylococcus aureus</i>
		<i>Proteus vulgaris</i>	<i>Staphylococcus aureus - MRSA A129</i>
	Algae:	<i>Chlorella pyrenoidosa</i>	<i>Anabaena cylindrica</i>

Test Results **HealthGuard® BB** has been scientifically formulated and all tests have been carried out by independent testing authorities, giving you and your customer's complete satisfaction.

Application For Bacterial, Yeast, Moulds, Algae, Bed bug and Dust mite protection a total amount of 3.0 – 4.0% of **HealthGuard® BB** on the weight of fabric should be applied.

HealthGuard® BB can be applied to textiles, P.U. foam by padding, back coating and exhaust methods.

HealthGuard® BB can be applied in conjunction with acrylic dispersions
HealthGuard® BB will migrate into the polymer.

Drying Temp Up to 120°C

Storage 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.

Incompatibilities Avoid storage with oxidisers.
Avoid contamination of water, foodstuff, feed or seed.

Transport No restrictions.

Special Handling Thoroughly clean hands after handling of this product.
Do not allow spills to enter waterways.
See Safety Data Sheet (SDS) for further information.

HGC 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.

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 read our Safety Data Sheet (SDS) before purchasing this product.

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.

HGC 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 HGC 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.

Full scale testing and performance of the end product 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 HGC on +61 (0) 3 9308 6888.

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 **HealthGuard® Intelligent Biotech Solutions**

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