

AlgenTech™ Advanced Sterilizing Solution

Sanitise – Renew – Protect



Overview

AlgenTech™ is an advanced cleaning & sterilizing solution designed to offer unparalleled protection against a wide spectrum of pollutants and bio-organisms. Engineered for versatility and efficiency, AlgenTech™ is ideal for maintaining the integrity of surfaces while preserving their quality. Its cutting-edge formula is both powerful and safe, ensuring superior cleanliness across various applications.

AlgenTech™ XE Protect, our dry state microbial fungus and algae attack protector, is added to the Rubber Tech™ Liquid Rubber Paint™ range to inhibit future organism growth. This process considerably lengthens the lifetime of waterproofing.

Features

Broad-Spectrum Effectiveness

- Eliminates bacteria, viruses, fungi, and other harmful micro-organisms.
- Neutralizes organic and inorganic pollutants for complete sterilization.

Superior Cleaning Action

- Effectively removes dirt, grease, and residue from substrates.
- Leaves surfaces visibly cleaner and ready for further use or processing.

Surface-Safe Formula

- Gentle on various materials, including metal, glass, wood, and synthetic surfaces.
- Prevents surface degradation while maintaining original texture and appearance.

Quick Action

- Works within seconds to provide a deep and thorough clean.
- Leaves no residue, allowing surfaces to be used immediately after application.

Eco-Friendly Composition

- Biodegradable and free from harmful chemicals.
- Meets environmental safety standards, making it safe for users and the planet.

Multi-Application Use

- Suitable for healthcare, industrial, commercial, and domestic environments.
- Interior & Exterior applications

Key Features – What makes our product unique:

AlgenTech stands out as the ultimate solution for sterilizing and cleaning substrates, whether it's indoors or outdoors. Combining powerful cleaning action with advanced sterilization, AlgenTech ensures facilities stay hygienic and substrates retain their integrity. It's dual action quality further inhibits future organism growth extending the efficacy of this advanced solution.

Application Areas

Residential & Commercial Use:

- Provides everyday cleaning and sterilizing for interior & exterior.
- Especially effective when used with high pressure washer for cleaning driveways, paving's, roofs, walls, barge boards, gutters etc.

Industrial Use:

- Effective solution to clean industrial buildings from external pollutants and grime to give facilities a new lease on life.

Other:

Healthcare Facilities:

- Ensures a sterile and clean environment in hospitals, clinics, and laboratories.
- Food & Beverage Industry: Maintains hygiene and cleanliness in kitchens, packaging units, and storage areas.

Public Spaces:

- Keeps high-traffic areas like offices, gyms, and transportation hubs clean and safe.

Packaging Options

- 1Lt branded bottle
- 2Lt branded jerry can
- 5Lt branded jerry can



For more information, technical support, or custom solutions, contact RWF at 078 735 8466 or visit www.roofwallfloor.co.za



Technical Data & Information

Applications / Use Levels

ALGENTECH™ is recommended for preparation of biocidal wash solutions used in the pre-decoration cleaning of paints, masonry, brick, wood and plaster. **ALGENTECH™** may also be used as a sterilizing wash in industrial manufacturing areas where plant hygiene is important.

Optimum use concentrations will depend on the condition of the surface to which **ALGENTECH™** will be applied. Normal use levels will be in the range 0.5 - 3% but, where microbiological growth is particularly severe, a 5% solution may be necessary. 0.25 - 0.5% is recommended for the wet-state preservation of products compatible with cationic additives.

Method of Use / Compatibility

It is recommended to prepare **ALGENTECH™** solutions by simple but efficient mixing, slowly adding the product to water. **ALGENTECH™** is a strongly cationic product and therefore incompatible with formulations containing anionic components. It may, however, be used with other cationic or non-ionic compounds. Users are therefore strongly advised to carry out their compatibility tests prior to initial application.

Chemical and Physical Characteristics

Composition:	A combination of alkyl dimethyl benzyl ammonium chloride and 2-phenyl-phenol
Appearance:	Clear-, straw- or rose-colored liquid
Odor:	Mild, characteristic
Density (20°C):	0.970 - 0.990
Refractive Index (20°C):	1.3870 - 1.3930
Solubility:	Fully miscible with water
Stability in application*:	Light stable, although some darkening may occur, stable in the pH range 3 to 10 and at up to 100°C.

Biocidal Properties

ALGENTECH™ possesses a wide spectrum of biocidal efficacy including activity against the following relevant organisms:-

MIC Values for Typical Spoilage Organisms (as ppm product)

Bacteria	MIC	Moulds	MIC	Algae	MIC
Escherichia coli	100	Aspergillus niger	200	Chlorella pyrenoidosa	100
Pseudomonas aeruginosa	280	Monilia albicans	150		
Proteus vulgaris	300	Saccharomyces cerevisiae	100		
Salmonella paratyphi	150	(yeast)			
Salmonella typhosa	100				
Staphylococcus aureus	100				
Streptococcus faecalis	40				

DISCLAIMER

RubberTech™ cannot be held liable if the product fails due to improper surface preparation or application.