

BIOSTATIC PROTECTIVE COATINGS FOR SURFACES AND SKIN

PROTOCOL B: NANO DEFENDER SURFACE SHIELD

NANO DEFENSE SYSTEMS is excited to introduce **NANO DEFENDER**, the ultimate innovation in all-natural, long-term antimicrobial-biostatic surface protection. These products are based on the active ingredient Chitosan, recognized for its outstanding antimicrobial and biostatic properties and derived from Chitin, a naturally-occurring biopolymer extracted from the exoskeleton of crustaceans like crabs, shrimp and lobster. Chitin:

- Is non-toxic*, inert, abundant, renewable & biodegradable(*as defined by OSHA Code 29 CFR 1910.1200).
- Can be applied to food-contact and non-food contact surfaces(as defined by EPA Code 40 CFR 180.940, 960).
- Doesn't harm people, pets, livestock, wildlife or the environment as defined by EPA Code 40 CFR 180.930).
- Is listed by the EPA as a FIFRA-exempt, non-hazardous component (link to listings available upon request).
- Slight variations in concentration and formulation yield different products to protect surfaces, clothing and hands.

NANO DEFENDER when applied to any precleaned hard or soft surface, will create a microscopic-thin, crystal-clear biostatic protective coating that seals pores, reduces stain and soil penetration, inhibits the growth of mold and mildew, and disrupts and arrests the metabolism of microbes. To ensure proper adhesion, care should be used to not apply over a dirty surface, *and may be applied to food contact surfaces where additional protection is desired, like handrails, door knobs, furniture, fixtures and common touchpoints.*



Naturally Biostatic



Non-toxic



Sustainably Sourced



Food-contact Safe



EPA & FDA Approved



Lab Validated

KEY NANO DEFENDER - GUARDIA CHARACTERISTICS

PROTOCOL C: NANO GUARDIAN SKIN SHIELD

Introducing **NANO GUARDIAN**, the ultimate innovation in all-natural, long-term antimicrobial-biostatic surface protection. These products are based on the active ingredient Chitosan, recognized for its outstanding antimicrobial and biostatic properties and derived from Chitin, a naturally-occurring biopolymer extracted from the exoskeleton of crustaceans like crabs, shrimp and lobster. Chitin:

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Just a spritz is all you need! Just a quick spritz or two on one hand, and rubbed onto each will dry within seconds and last all day. Should not be easily removed by handwashing, and has been tested to maintain its antimicrobial protection at an efficiency of:

99.99%
8 hours

99.8%
24 hours



Nano Lab, Inc.
Fort Lauderdale, Florida 33325
Tel: 954.367.9274
nanodefensesystems.com
info@nanodefensesystems.com

