



TECHNICAL DATA FACT SHEET GS75

PRODUCT DESCRIPTION

A water-stabilized organosilane that provides effective antimicrobial properties on a wide variety of materials. **Goldshield™ 75** Protectant is a water-based ready to use solution of a Silicone Quaternary Ammonium Salt that can provide a durable microbiostatic and biocidal finish when applied to siliceous surfaces, natural and man made fibers, metals, leather, wood, rubber, plastic and Formica. For a general description of the typical chemical and physical properties refer to the Material Safety and Data Sheet.

TECH SHEET FOR DOMESTIC AND INTERNATIONAL CLIENTS, PLEASE REFER TO SPECIFIC REGULATORY AGENCIES FOR AGENT CLASSIFICATION:

BENEFITS

- **Patented**
- Effectively inhibits the growth of bacteria, fungi, yeasts and certain viruses on the treated surfaces of most substrates based on hospital clinical trials and independent studies.
- Protects against microbial deterioration, discoloration and odor
- Provides an invisible, durable microbiostatic finish
- Non-flammable
- Provides anti-static properties to surfaces
- Applies fast and easily
- Dries quickly after application
- Effective over a broad pH range (3-10)
- Prevents biofilm build-up

- Non-flammable

- Does not pose the risk of genetic adaptation

- Adhesion to “difficult” substrates
- Strong bonding to hydrophilic reactive sites (through covalent bonding and the creation of interpenetrating networks)
- Low moisture uptake (hydrophobicity balance)
- Thermal stability
- UV resistance
- Low surface tension

APPLICATIONS

Goldshield™ 75 Protectant provides an invisible, durable micro-biostatic and biocidal finish that protects the treated surface against bio-deterioration by inhibiting microbial growth. This product will deliver effective inhibition of bacteria, fungi, yeasts and certain viruses including mold/mildew and algae; thus protecting, surfaces against deterioration, discoloration and odors.

DIRECTIONS FOR INDUSTRIAL AND COMMERCIAL USE

Goldshield™ 75 Protectant can be applied to organic or inorganic substrates by brushing, dipping, soaking, spraying, or by spraying techniques. Coverage rates vary depending on substrate treated,

but generally cover 300-400s.f. when sprayer is used. All substances can be dried at room temperature or at temperatures to a maximum of 160°C (320°F).

MATERIALS OF COMPATIBILITY

Goldshield™ 75 Protectant is compatible with most materials including: wood, textiles of all fiber compositions, drywall, concrete, stucco, masonry, canvas, nylon, vinyl, plastics, PVC, CPVC, polyethylene, polypropylene, stainless steel, aluminum, metals, Kynar, Teflon, Viton and Hypalon.

COMPATIBILITY

Goldshield™ 75 protectant's water-based formulation offers uniform dispensability and is compatible with a wide variety of materials and mixtures.

STORAGE AND HANDLING

Read the label and Material Safety and Data Sheet for complete handling information before using this product.

PACKAGING

Goldshield™ 75 Protectant is packaged in 32 oz., gallon, 5 gallon , 55 gallon and 275 gallon containers.

REMARKS

If you need assistance or information, please call AP Goldshield 516 674.4085; email: info@goldshield1.com or write AP Goldshield LLC PO Box 428, Locust Valley, NY 11560

For Medical and Transportation Emergencies involving this product call CHEMTREC (24 hour response): number 800-262-8200.