TWIN CHEMICALS, INC.

"Products that make the world better"

DuraShield

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

A water-stabilized organosilane (3-(trimethoxysily)propyldimethyl-octadecylamine ammonium chloride) that provides effective antimicrobial properties on a wide variety of materials. This water-based product is easy to formulate and eliminates the hazards of conventional methane-based additives and heavy metal antimicrobials. DuraShield is a stable aqueous solution of a Silicone Quaternary Ammonium Salt that can provide a durable microbiostatic finish to surfaces that will combat problems associated with bioremediation. For a general description of the typical chemical and physical properties refer to the Material Safety and Data Sheet.

BENEFITS

- Effectively inhibits the growth of mold/mildew, algae and bacteria on surfaces
- 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)

APPLICATIONS

DuraShield provides an invisible, durable microbiostatic finish that protects surfaces against biodeterioration by inhibiting microbial growth. This product will deliver effective inhibition of bacteria, mold/mildew and algae; thus protecting, natural and man made fibers used in the manufacture of carpet and rugs, against deterioration, discoloration and odors.

GRRRIZZLY PAINT STRIPPER

SGT. HALT

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DIRECTIONS FOR INDUSTRIAL USE

DuraShield can be diluted by adding 3.2 to 32 fluid ounces per gallon of water or other solvents (alcohol and ketones) and then applied to organic or inorganic substrates by brushing, dipping, padding, soaking, spraying, fogging or by using foam finishing techniques to give a final treatment of 0.1 to 1.0% by weight by active ingredient (2.0 to 20% product). Exact dosages can be determined through microbiological laboratory evaluations conducted by Twin-Chem.

DIRECTIONS FOR COMMERCIAL USE

DuraShield can be diluted by adding 8 fluid ounces per gallon of water and then applied to organic or inorganic substrates by pump and commercial spray applications, dipping or soaking. All substances can be dried at room temperature or at temperatures to a maximum of 160^0C (320^0F).

MATERIALS OF COMPATIBILITY

MicroRid DuraShield is compatible with materials such as PVC, CPVC, polyethylene, polypropylene, and stainless steel, Kynar, Teflon, Viton and Hypalon.

COMPATIBILITY

MicroRid DuraShield 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

DuraShield is packaged in pails, drums, and disposable totes.

REMARKS

If you need assistance or information, please call your nearest Twin-Chem., Inc. representative, or our Atlanta, GA office at (770) 924-5333. For more news about Twin-Chem., Inc., visit our web site at www.twin-chemicals.com.

For Medical and Transportation Emergencies involving Twin-Chem., Inc. products call CERTS (24 hour response): number (404)-874-3326.

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