

## **DUROKLEEN DIRECTIONS AND USES**

### **COMMERCIAL USE PRODUCTS**

#### **DIRECTIONS FOR USE FOR COMMERCIAL APPLICATIONS (IN AGRICULTURAL, HOMES, OFFICES, AUTOMOBILES AND INSTITUTIONS)**

This product is a micro-biostatic agent for material preservation; upon US registration, neither this product nor the articles treated with this product may state or imply any public health claims. Articles or substances treated with this product will be exempt from FIFRA regulation pursuant to 40 CFR 152.25(a) if the intended use for incorporating this material into a treated article or substance is for the protection of the article or substance itself.

The DuroKleen™ Product is effective against odour causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew) and algae as a static agent.

It can be used as a final bacteriostatic finish on the following items to impart bacteriostatic/ fungistatic (mould and mildew) activity.

**Carpet, Draperies and Upholstery, Furniture, bedding and linens, shoes and apparel, Book Covers, and Pictures.**

**Plastics, fibreglass, metals, glass, wood, ceramics, stone, natural material, composites:** Including air filters for furnaces, air conditioners, air purification devices, automobiles, and reticulating air handling systems; aquarium filter; automotive and vehicular parts; roofing materials (tiles, shakes, shingles, granules, stone, membranes, felt, underlayment and synthetic overcoats); building materials and components (including siding, wallboard, wood composites, insulation and food contact cabinetry); ceiling tiles; concrete products; dry concrete and grout mixes; food contact conveyor and humidifier belts; food contact countertops; fiberglass duct board for air handling systems; floor covering; flooring, floors, drains, tables, cutting boards, slicers, etc; general purpose (food contact) containers; furniture; bathroom and food contact kitchen hardware; mats; plumbing supplies and fixtures; sheet and formed glass, mops; vacuum cleaner bags and filters; foam for packaging and cushioning in food contact applications.

**Fibres, fabrics (natural and synthetic, woven and non-woven), leather and household materials (natural and synthetic):** Including buffer pads (abrasive and polishing); mattress cover pads, filling and ticking; pillow covers; sheets; blankets; bedspreads; fibre filling for upholstery, apparel, recreational gear, quilts and pillows; curtains; draperies; carpet and carpet underlay; rugs; upholstery; towels; shower curtains; toilet seats and lids and seat covers; wall covering fabrics and wallpaper (including vinyl) for food contact surfaces; umbrellas; fire hose fabric; non-woven disposable diapers; wiping cloths; pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties);

**Apparel** including outerwear, sportswear, sleepwear, socks, hosiery, undergarments, gloves and uniforms; footwear (boots, shoes and components); sports equipment and athletic gear; cloth for sails, ropes, tents and other outdoor equipment; sand bags; tarps; awnings; book covers; pictures, concrete, chrome, stainless steel, fiberglass, vinyl, porcelain, fabric and paper wall covering; wood and glass fixtures, marble, aluminum, and non-food contact cabinetry.

## **HOW TO USE:**

### **Material Safety Data (MSD) Form INFORMATION:**

BEFORE HANDLING, READ PRODUCT AND MSD AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MSD CAN BE OBTAINED BY WRITING TO DUROKLEEN Global Pty Ltd OR BY CALLING OUR HEAD OFFICE OR [ONLINE HERE](#)

It is highly recommended that the surface to be treated with DuroKleen is cleaned first.

If undertaking sizable applications wear protective eyewear (goggles or face shield) and rubber gloves when using this product. Dry treated areas and articles such as clothing before use. Remove children and pets from treated area until completely dry. Clean surfaces prior to application.

DuroKleen™ Product can be applied to organic and inorganic surfaces in the ready to use aqueous solution or fogging. Surfaces can be treated with the aqueous solution by brushing, dipping, padding, soaking, spraying until adequately wet or applying by foaming techniques.

After applying treatment, the surface should be allowed to dry at temperatures from ambient to a maximum of 160°C to effect complete condensation.

If necessary, reapply DuroKleen™ every cleaning cycle, or when odour, staining and discoloration due to bacteria, mold stains, and mildew stains return.

**For Commercial Spray Equipment and Pump Spray Application:** Apply (with pump sprayer, spray 100 150 mm from the surface) entire area making sure the surface is completely covered, then let stand until dry or let stand 3 minutes and wipe dry with cloth or sponge. If spotting occurs, wipe with moist cloth or sponge. Test for staining and colorfastness of fabrics and carpets by treating and drying a small, concealed area prior to application. When treating coarser substrates, more DuroKleen™ Product may be required due to absorption.

**For Dipping/Soaking Application:** Use appropriately sized washbasin or tub for dipping/soaking the item you are treating. Use enough DuroKleen™ Product solution to completely submerge the item. Shake well. Completely submerge item in solution for 3 minutes. Remove item and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping/soaking. The substrate can be dried at room temperatures or at temperatures to a maximum of 160°C.

### **Food Contact;**

Treatment of DuroKleen™ Product on food contact surfaces should be followed by a wash and rinse and allowed to dry.

For each application, determine optimum application and drying conditions, such as time and temperature, before use. If desired, reapply DuroKleen™ if odour, staining and discoloration due to bacteria, mold or mildew occur.

### **WASHABLE LINENS, DRAPERIES, FABRIC, BEDDING AND APPAREL:**

**Dipping/ Soaking:** Use a wash tub or machine for soaking the items you are treating. Always treat only clean items and use only fresh rinse water.

**Wash Tub:** Use washbasin or tub big enough to completely soak the item you are treating. Add 30ml of DuroKleen™ Product to sufficient water to soak 2 Kilograms of fabric, 80 mls for 4 -5 Kilograms .

It is recommended to completely submerge items in solution for 3 minutes. Remove items and dry. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application. Do not reuse solution after dipping / soaking. The substrate can be dried at room temperature or in a clothes dryer at the appropriate setting for the items.

**Washing Machine:** Clean items first. Then run only rinse cycle. Add 50 mls of DuroKleen™ Product for small, 75mls for medium or 100 mls for large load settings on the machine. Run the full rinse cycle to treat the fabrics, then allow to dry overnight or use a dryer under the appropriate heat setting for the fabrics being treated. Test for staining and color-fastness of fabrics by treating and drying a small, concealed area prior to application.

**Spray:** Clean items prior to application. Using trigger pump sprayer or pressure sprayer, spray entire surface area 100-150 mm from the surface making sure the surface is completely covered. Let stand until dry or dry under the appropriate heat setting for the fabrics being treated. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply every three months or when odour, staining, and discoloration due to bacteria, mold stains, or mildew stains return.

#### **CARPET AND UPHOLSTREY / FURNITURE:**

**Spray:** Always apply only to clean surfaces. Shake well. Apply to carpet and furniture using a trigger pump sprayer or pressure sprayer, spray entire surface area 100-150 mm from the surface making sure the surface is completely covered. Let stand until dry or dry under the appropriate heat setting for the fabrics being treated. If spotting occurs, wipe with moist cloth or sponge. Test for staining and color-fastness of fabric by treating and drying a small concealed area prior to application. If necessary, reapply every three months or when odour, staining, and discoloration due to bacteria, mould stains, or mildew stains return.

#### **FOR BATHROOM AND NON-FOOD CONTACT BUILDING AND OR AGRICULTURAL SURFACES:**

Including tubs and showers, tiles, vanity tops, shower curtains, grout, sinks, washable walls, wall paper, floors, window sills, concrete or stone surfaces and garbage cans:.

**Spray:** Clean items prior to application. Shake well. Using trigger pump sprayer or pressure sprayer, spray entire surface area 100-150 mm from the surface making sure the surface is completely covered. Allow to dry thoroughly before use. If spotting occurs, wipe with moist cloth or sponge.

#### **GROUT AND CEMENT MIX ADDITIVE:**

For use as a grout or cement additive, add DuroKleen™ Product directly to the dry mix during the grout or cement preparation. Use 625 mls of DuroKleen™ per 2 kilograms of dry grout mixture. Follow directions for grout or cement, using DuroKleen™ Product as part of the added water.

Addition of DuroKleen™ inhibits the growth of odour causing bacteria, bacteria which cause staining and discoloration, fungi (mold and mildew), and algae on the surface of the cured grout.

#### **FILTERS AND FILTER MATERIAL (Aquarium filters, vacuum cleaner filters and air);**

Clean items prior to application. Shake well. Using trigger pump sprayer or pressure sprayer, spray entire surface area 100-150 mm from the surface making sure the surface is completely covered. Allow to dry thoroughly before use.

#### **STORAGE AND DISPOSAL:**

Do not contaminate water, food, or feed by storage and disposal.

**Storage and Disposal:** Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use. Keep tightly closed until ready to uses. Reclose tightly after each use. When stored in original, unopened containers at or below 25°C .

Non-refillable container. Do not reuse or refill this container. Wrap container and put in trash or offer for recycling if available.

**For Industrial and commercial use packages:**

**Small packages: ( 5 litres or less)**

**Storage:** Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use and away from food or feed. Keep tightly closed until ready to use. Reclose tightly after each use. When stored in original, unopened containers at or below 25°C has a minimum shelf life of 12 months from date of shipment.

**Product Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Containers, Drums and IBCs:**

**Storage:** Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use and away from food or feed. Keep tightly closed until ready to use. Reclose tightly after each use. When stored in original, unopened containers at or below 25°C (77°F), has a minimum shelf life of 12 months from date of shipment.

**Product Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Handling:** REFILLABLE CONTAINER. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**NOTICE:** DUROKLEEN warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated in the labeling when used in accordance with directions under normal conditions of use; but this warranty of fitness for a particular purpose does not extend to the use of this product contrary to written instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

**DUROKLEEN SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING THE WARRANTY OF MERCHANTABILITY.**

**DUROKLEEN GLOBAL Pty Ltd**

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