



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Antimicrobials Division (7510P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

464-8145

Date of Issuance:

2/20/2020

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

BIOSIL 5772 Antimicrobial

Name and Address of Registrant (include ZIP Code):

Alexis Chapman  
Product Stewardship Regulatory Manager for,  
Dow Chemical Company  
100 Larkin Center  
Midland, MI 48674

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.


On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

  
Eric Miederhoff, Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Date:

2/20/2020

2. You are required to comply with the data requirements described in the DCI or EDSP Order identified below:
  - a. 3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride--107401-1635

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI or EDSP Order listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 464-8145.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 01/30/2019

If you have any questions, please contact Karen M. Leavy by phone at (703)-308-6237 or via email at [Leavy.Karen@epa.gov](mailto:Leavy.Karen@epa.gov).

Enclosure

# BIOSIL™ 5772 ANTIMICROBIAL

Effective against odor causing bacteria, bacteria that cause staining and discoloration, fungi (mold/mildew), and algae as a static agent. Can be used as a final bacteriostatic finish to impart bacteriostatic /fungistatic (mold/mildew) activity. Provides durable biostatic activity to the surface of a wide variety of substrates.

## Active Ingredient:

3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride ..... 66.38%

Other Ingredients:..... 33.62%

TOTAL ..... 100.00%

Contains over 14% Methanol

EPA Reg. No. 464-XXX

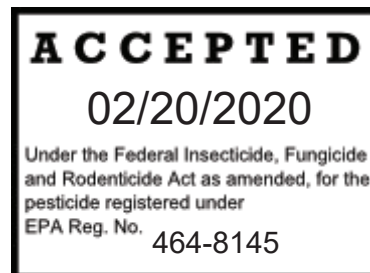
EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**



**POISON**



## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**Danger. Corrosive.** Causes irreversible eye damage and skin burns. Methanol may cause blindness. Harmful if swallowed, absorbed through the skin or inhaled. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Wear a NIOSH approved respirator with any N, R, P, or HE filter. Appropriate measures must be taken to prevent the accumulation of hazardous concentrations of methanol vapors in the work area. Wear goggles or faceshield, rubber gloves, and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse.

## PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks and chemical resistant footwear
- Goggles, face shield, or safety glasses with side-shields
- Chemical-resistant gloves

## USER SAFETY REQUIREMENTS

Follow manufacturers' instructions for cleaning & maintaining PPE if no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Users must wash hands before eating, drinking, chewing gum, or using the toilet. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users must remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

NET WT:

## PHYSICAL AND CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame. Deactivation can be achieved by the addition of anionic surfactant (soap, sulfonates, sulfates) in quantity equivalent to that of product.

<b>FIRST AID</b>	
<b>IF IN EYES</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 30 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Obtain prompt medical consultation, preferably from an ophthalmologist.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes</li><li>• Call a poison control center or doctor for treatment advice</li></ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"><li>• Move person to fresh air</li><li>• If person is not breathing, call 911 or an ambulance, and then give artificial respiration, using pocket mask or face protection if via mouth-to-mouth</li><li>• Call a poison control center or a, doctor for further treatment advice</li></ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"><li>• Have person sip a glass of water if able to swallow</li><li>• Do not induce vomiting unless told to by a poison control center or doctor</li><li>• Do not give anything to an unconscious person</li><li>• Call a poison control center or doctor immediately for treatment advice</li></ul>
Have product container or label with you when calling a poison control center or doctor or going for treatment.	
<b>HOT LINE NUMBER</b>	
<b>IN CASE OF AN EMERGENCY</b> endangering life or property involving this product, call collect <b>(989) 636-4400</b>	
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate the use of gastric lavage	

## ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## STORAGE AND DISPOSAL

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

**STORAGE:** Store in original, tightly closed container at or below 25°C (77°F). Moisture sensitive. Keep container tightly closed when not in use.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL: Non-refillable Container.** Do not reuse or refill this container. Triple rinse promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

BIOSIL 5772 ANTIMICROBIAL can be applied to organic and inorganic non-food surfaces listed below at a use rate of 0.1 – 1.0% (1,000 – 10,000 ppm) by weight of active ingredient. Apply as an aqueous solution, which can be prepared by adding 0.24 – 2.4% of the product to water with stirring. Prepare fresh solutions weekly.

NOTICE: Poor agitation when adding this silane to water can result in locally high concentrations, which may form gel particles. Surfaces can be treated with the aqueous solution by brushing, dipping, padding, soaking, or 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 (320 °F). For each application, determine optimum application and drying conditions, such as time and temperature before use. Ensure adequate ventilation is in place when drying.

For use in formulating, manufacturing and fabricating of treated article products specified under applications. The active ingredient in this product is effective against fungi, mold and mildew and algae which can cause odors, staining and discoloration as a static agent. The product is registered for formulation into antimicrobial products or as a microbiostatic agent for material perseveration; neither this product nor the articles treated with this product may state or imply any public health claims.

### APPLICATIONS:

Effective against odor causing bacteria, bacteria which causes staining and discoloration, fungi (mold/mildew), and algae as a static agent. Can be used as a final bacteriastatic finish to impart bacteriastatic/fungistatic (mold/mildew) activity

### Coatings and Films:

Non-food contact uses in industrial and household products such as, water-based paints and coatings, paper and wood coatings, paints and coatings used for architectural product finishes, and special-purpose coatings, such as aqueous adhesive coatings, aqueous caulks and sealant coatings, epoxy and polyurethane coatings. Apply topically as an aqueous solution.

### Fibers, fabrics and leathers (natural and synthetic):

Non-food contact uses in industrial and household woven and non-woven fibers, such as bedding, apparel, footwear, wall and floor coverings, carpets, draperies, wiping cloths, brushes, mops, filters, stuffing and filling, sports equipment and athletic gear, ropes, tents, awnings and tarps.

**Plastic, fiberglass, metals, glass, wood, ceramics, stone, natural materials and composites:**

Non-food contact uses in industrial and household products such as air filters for furnaces, air conditioners, air purification devices, automobiles and recirculating air handling systems, aquarium filters, non-food contact conveyor and humidifier belts, fiberglass duct board for air handling systems, mats, sheet and formed glass, and vacuum cleaners bags and filters.

**Indoor and outdoor construction materials:**

Non-food contact uses in industrial and household products such as brick, concrete products, membranes, felt, underlayment, wallboard, insulation (e.g., fiberglass, vermiculite, mineral wool), walls and wall coverings (e.g., wood, brick, paper, paneling), flooring and floor coverings, ceiling, ceiling tiles, ceramic tiles, grout, non-food contact countertops, vinyl, porcelain, marble, stone, travertine, metals, chrome, stainless steel, aluminum, cabinetry, plumbing supplies and fixtures, roofing materials, and siding..

**Foam:**

Non-food contact uses in industrial and household polyurethane foam, such as mattresses, mattress pads, pillows, furniture, bras, shoe soles and insoles, mop heads, sporting goods and equipment, and seats.

**Notice:** Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the Directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Lot:

Produced For *(used when manufactured by contract manufacturer)*

Dow Diamond TM

**THE DOW CHEMICAL COMPANY**

**Midland, Michigan 48674**

**989-636-4400**

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MADE IN U.S.A.