DENSIL C40 ANTIMICROBIAL

Active Ingredient:
Chlorothalonil (tetrachloroisophthalonitrile) ..... 40.4%
Other Ingredients: ........................................ 59.6%
Total: .................................................... 100.0%

Contains 4.17 pounds of chlorothalonil per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Side Panel for Other Precautionary Statements

MANUFACTURED FOR:

ARCH Chemicals, Inc.

1200 Bluegrass Lakes Parkway
Alpharetta, GA 30004

Made in USA.

DENSIL® is a registered trademark of Arch UK Biocides, Ltd.

EPA Reg. No. 1258-1367
EPA Est. No. 1258-NY-001

Net Weight: 1 lb

ENVIRONMENTAL HAZARDS:
This product is toxic to fish and wildlife. 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.
Wildlife: This pesticide is toxic to aquatic invertebrates and wildlife. Do not contaminate water when disposing of equipment washwater or rinsate.

STORAGE & DISPOSAL:
Do not contaminate water, food, or feed by storage or disposal of equipment. PESTICIDE STORAGE. Store in a cool place. Protect from excessive heat. 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 using 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 refill or reuse container. Triple rinse as follows. Fill container ⅓ full with water. Tip container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Stand the container on its end and tip it back and forth several times. Follow Pesticide Disposal instructions for rinsate disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

USER SAFETY RECOMMENDATIONS

FIRST AID:
IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a Poison Control Center or doctor for further treatment advice.
IF IN EYES: Hold eye and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.
IF SWALLOWED: Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by Poison Control Center or doctor. Do not give anything by mouth to an unconscious person. Have the product container or label with you when calling a Poison Control Center or doctor, or when going for treatment.
NOTE TO PHYSICIAN: Penetrable mucosal damage may contraindicate the use of gastric lavage following ingestion.
IN CASE OF EMERGENCY CALL: 1-800-654-6911

PRECAUTIONARY STATEMENTS:
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION. Harmful if inhaled. Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Note to User: Exposure to formulations containing chlorothalonil may produce temporary irritation and side effects characterized by redness of the eyes, mild bronchial irritation and redness or rash on exposed skin. Persons having these reactions or allergic symptoms should contact a physician. Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.
DIRECTIONS FOR USE:
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is used to protect treated articles from decay, mold or mildew, including paints and stains, adhesives, caulks, grouts, sealants, wood and wood composites. This product must not be used as a millwork paint additive designed for direct sale to retail customers, e.g. in a 'pillow pack' or other small volume or one-use package. This product may be added only to paint products that are labeled A) with product-specific instructions for the use of a respirator during application, or B) as follows: *When applying with a sprayer, wear a NIOSH approved respirator with any R, P, or HE filter. If oil is not present in the paint product or not NIOSH-approved for use as an additive in the paint product, add "N" as an additional respirator type.* This product must not be used as an in-container preservative. Mix contents slowly before using to assure uniform mixture.

DENSIL C40 ANTIMICROBIAL is an aqueous dispersion containing 40.4% (w/w) active ingredient. DENSIL C40 ANTIMICROBIAL is to be used in water-based or water-compatible products only. Do not apply this product by means of ultra-low volume mist-blowers or thermal "fogging" devices.

**LATEX EМULSION PAINTS, STAINS, AND COATINGS:** Disperse 12.4 to 24.8 pounds (9.6 to 19.3 pints) of DENSIL C40 ANTIMICROBIAL per 100 gallons of exterior paint to obtain effective mildew control in the paint film after it is applied. Use the high rate in areas favorable to mildew and mold growth, such as where painted surfaces frequently are warm and moist. DENSIL C40 ANTIMICROBIAL, when added to stains designed for exterior wood, also protects the wood from surface molds and mildew stains caused by fungi. Use 6.2 to 12.4 pounds (4.8 to 9.6 pints) of DENSIL C40 ANTIMICROBIAL per 100 gallons of interior latex paint. DENSIL C40 ANTIMICROBIAL is compatible with zinc oxide in latex paints. DENSIL C40 ANTIMICROBIAL can be used with either unmodified or alkyl modified acrylic, vinyl acrylic, or polyvinyl acetate latexes. DENSIL C40 ANTIMICROBIAL can be incorporated into the paint formulation during the pigment grind operation, during or after letdown, or post-added to a finished paint product after manufacture. Note: If DENSIL C40 ANTIMICROBIAL is used to produce post-manufacturing paint additive products, such products must be distributed to and used by only professional personnel engaged in the mixing or blending of paints. Such post-manufacturing paint additive products may not be sold directly to homeowners or non-professional painters. If an in-can preservative is used in combination with DENSIL C40 ANTIMICROBIAL, its compatibility with DENSIL C40 ANTIMICROBIAL should be examined first. DO NOT use in paints designed for applications on food-contact surfaces, or on the interior of buildings engaged in food processing or food handling. DO NOT use in paints designed to be handled by children.

**AQUEOUS ADHESIVES:** DENSIL C40 ANTIMICROBIAL may be incorporated into adhesives to protect the applied adhesive films from mold growth and decomposition. Fully disperse 1.24 to 2.48 pounds of DENSIL C40 ANTIMICROBIAL per 1,000 pounds of adhesive while it is being manufactured. Use the high rate in areas favorable to mildew and mold growth, such as where surfaces frequently are warm and moist. DO NOT use in adhesives designed for applications on food-contact surfaces, or on the interior of buildings engaged in food processing or food handling.

**AQUEOUS CAULKS AND SEALANTS:** To provide mildew and mold control on caulking or sealing deposits after application, fully disperse 2.5 to 12.5 pounds of DENSIL C40 ANTIMICROBIAL per 1,000 pounds of caulk or sealant products while they are being manufactured. The high rate is recommended for exterior caulks. DO NOT use in caulks or sealants designed for applications on food-contact surfaces, or on the interior of buildings engaged in food processing or food handling.

**GROUTS AND JOINT COMPOUNDS:** Add DENSIL C40 ANTIMICROBIAL to grouts and joint compounds at 1.9 to 3.8% by weight during the blending process, e.g. 1.0 to 3.8 pounds of DENSIL C40 ANTIMICROBIAL per 100 gallons of grout or joint compound blend.

**WOOD PRESERVATIVE STAINS:** Above Ground Application: Add DENSIL C40 ANTIMICROBIAL at the rate of 10 to 25 pounds per 100 gallons of water-based stain formulation to prevent growth of mold, mildew, and wood decay fungi. DENSIL C40 ANTIMICROBIAL can be added during the pigment grind operation, during or after letdown, or post-added to a finished product. DENSIL C40 ANTIMICROBIAL is compatible with stains containing zinc oxide. It is the responsibility of the formulator to determine the suitability of DENSIL C40 ANTIMICROBIAL for this use and to obtain end-use product registrations.

**FRESHLY SAWN WOOD:** To prevent sapstain and surface mold growth on freshly sawn wood, mix DENSIL C40 ANTIMICROBIAL into water-based dip treatment suspensions at the rate of 5 to 10 lbs (1/2 to 1 gallon) per 100 gallons of water. Use the high rate if the wood is to be treated is expected to remain in undried condition for a prolonged period. Dip freshly sawn wood products into the treatment suspension for one minute, which should be sufficient time to permit thorough coating of the wood surface. Maintain thorough agitation of the treatment suspension while wood is being treated. Because of the variation in susceptibility of fresh sawn wood related to the type of wood, sawing and storage methods, temperature and humidity conditions, treatment method etc. it is recommended that field tests are performed in order to optimize the means of application and the concentration of the treatment formulation. For best results, wood should be treated as soon as possible after it is sawed. Additional treatment suspension can be added to the treatment vessel provided the appropriate dilution is first prepared in a suitable container prior to adding to the treatment vessel. The treatment vessel may be cleaned by draining and rinsing with clean water or an aqueous detergent solution. Do not dispose of spent treatment suspensions or treatment vessel washings in any manner that may contaminate soil or water.

**SEASONED WOOD:** To control mildew and mold fungi on seasoned wood above ground, mix DENSIL C40 ANTIMICROBIAL with water, water repellent, or latex coating at the rate of 10 to 25 lbs. (1 to 2.5 gallons) per 100 gallons and apply by brush, dip, or spray.

**MOLD CONTROL ON PRESSURE TREATED WOOD:** To control mildew and mold fungi on wood pressure treated with water-borne preservatives (see American Wood-Preservers' Association Standard P5), treat with DENSIL C40 ANTIMICROBIAL in the following manner: APPLY WITH PRESSURE TREATMENT: Add 0.2 to 0.4 gallons of DENSIL C40 ANTIMICROBIAL to 100 gallons of pressure treating solution ready to use. Pressure treat wood or lumber according to recommendations of the American Wood-Preservers' Association. APPLY BEFORE PRESSURE TREATMENT: Dip wood in a dipvat containing 0.2 to 0.4 gallons of DENSIL C40 ANTIMICROBIAL in 100 gallons of water. This treatment will control mold while wood is in contact prior to pressure treating. If desired, pressure treating may be conducted immediately following to dip treatment. APPLY AFTER PRESSURE TREATMENT: Dip the pressure treated wood in a dipvat containing 0.2 to 0.4 gallons of DENSIL C40 ANTIMICROBIAL in 100 gallons of water. Conduct this treatment as soon after pressure treating as possible.

**COMPOSITE WOOD PRODUCTS:** To provide decay protection for composite wood products, such as flakeboard or particle board that is to be used for building siding, sheathing, construction timbers, decking or planking, incorporate DENSIL C40 ANTIMICROBIAL into the finished composite material while it is being manufactured. Use 1.25 to 12.5 lbs. of DENSIL C40 ANTIMICROBIAL per cubic foot volume of final wood composite. The high loading rate should be used in composite wood products that are intended to be installed in contact with soil or concrete, or where the wood is intended to be exposed to conditions with continuously high levels of moisture. Thoroughly incorporate DENSIL C40 ANTIMICROBIAL into the composite material as it is being ground, mixed or blended with adhesives or binding materials prior to final formation of the wood composite matrix.

*Not approved for use in California*

Densil C40 Antimicrobial _03172016