

PM 33

50534-115

9/5/97

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TUFFCIDE® 404

BROAD SPECTRUM FUNGICIDE FOR CONTROL OF FUNGAL GROWTH

For Use in Aqueous Paints, Stains, Coatings,
Adhesives, Caulks, Sealants, Grouts, Joint Compounds,
and Wood Preservative Stains

For Industrial/Manufacturing Use Only

Ingredient Statement

Active Ingredient:

Chlorothalonil (tetrachloroisophthalonitrile) 40.4%

Inert Ingredients: 59.6%

Total: 100.0%

This product contains 4.17 lbs. of chlorothalonil per gallon.

EPA Reg. No. 50534-115

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

WARNING

FIRST AID:

IF IN EYES: In case of eye contact, immediately flush eyes with water and continue for 15 minutes, get medical attention immediately.

IF ON SKIN: In case of skin contact, wash exposed areas of skin with soap and warm water.

IF INHALED: Remove person to fresh air and get medical attention immediately.

IF SWALLOWED: Call a doctor or get medical attention. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.

Note to Physician: This product may produce temporary irritation and side effects characterized by redness of the eyes, mild bronchial irritation and redness or rash on exposed skin areas. Persons having these reactions or an allergic reaction respond to treatment with antihistamines or steroid creams and/or system steroids.

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

ACCEPTED

SEP 5 1997

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 50534-115

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Causes eye irritation. May cause skin irritation. May be a potential skin sensitizer.

DO NOT get in eyes, on skin, or on clothing. Wear goggles or face shield, rubber gloves, long sleeved shirt, and long pants when mixing, loading and applying this product. Harmful if inhaled. DO NOT breathe mist. Harmful if swallowed or absorbed through the skin. Remove contaminated clothing and wash before reuse.

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.

ENVIRONMENTAL HAZARDS

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 Environmental Protection Agency.

DIRECTIONS FOR USE

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

Observe all precautions listed under "Precautionary Statements" when handling and using this product.

Tuffcide 404 is intended for use in aqueous systems only. Before use, thorough mixing of Tuffcide 404 is recommended to assure a uniform mixture. Add Tuffcide 404 at levels of 0.12% to 3.8% (wt/wt) depending upon the substrate to be protected, the fungal hazard, and the duration of protection desired.

When an in-can preservative is used in combination with Tuffcide 404, it should be tested first for compatibility. Further information is available from our Technical Service personnel.

*It is the responsibility of the manufacturer to test **TUFFCIDE 404** for optimum dosage levels and to determine compatibility and suitability for the intended use.*

LATEX EMULSION PAINTS, STAINS, AND COATINGS:

Levels of 5 to 10 pounds of Tuffcide 404 per 100 gallons (0.5% to 1.0% wt/wt) are effective for interior applications, while 10 to 25 pounds (1.0% to 2.5%) normally provide sufficient protection for exterior uses. Tuffcide 404 can be added during the pigment grind operation, during or after letdown, or post-added to a finished product. Tuffcide 404 is compatible with paints and coatings containing zinc oxide.

AQUEOUS ADHESIVES, CAULKS, AND SEALANTS:

Aqueous adhesives - Use 0.12 to 1.25 pounds of Tuffcide 404 per 100 pounds (0.12% to 1.25% wt/wt) with dosage rate depending on fungal hazard and duration of protection desired.

Aqueous caulks and sealants - Use 0.25 to 1.25 pounds of Tuffcide 404 per 100 pounds (0.25% to 1.25% wt/wt) to provide mildew control on interior and exterior caulks and sealants.

GROUTS AND JOINT COMPOUNDS:

Add Tuffcide 404 to grouts and joint compounds at 1.0 to 3.8% by weight during the blending process, e.g., 1.0 to 3.8 pounds of Tuffcide 404 per 100 pounds of grout or joint compound blend.

WOOD PRESERVATIVE STAINS:

Above Ground Application: Add TUFFCIDE 404 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.

Tuffcide 404 can be added during the pigment grind operation, during or after letdown, or post-added to a finished product. Tuffcide 404 is compatible with stains containing zinc oxide. It is the responsibility of the formulator to determine the suitability of Tuffcide 404 for this use and to obtain end-use product registrations.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Storage: Store in a cool place. Protect from excessive heat.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide formulation 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: Fiber Drums with Liners and Plastic Containers -- Triple rinse (or equivalent). Then offer for recycling or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OR SELLER IS AUTHORIZED TO DO SO EXCEPT IN WRITING WITH A SPECIFIC REFERENCE TO THIS WARRANTY. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

Buyers and users of this product are responsible for all loss or damage from use or handling of this product which results from conditions beyond the control of Seller, including, but not limited to, incompatibility with other products unless otherwise expressly provided in the Directions for Use of this product, weather conditions, moisture conditions or other environmental conditions, and those conditions which are outside of the ranges that are generally recognized as being conducive to good industrial and/or application practices.

Tuffcide is a registered trademark of ISK Biosciences Corporation.
Made in U.S.A.

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Label Information: Not to be reviewed as part of the label.

Notes: Last EPA stamped approved label on file is dated July 22, 1985.

EPA Submission date: Label Amendment: April 22, 1996 - Updated the label as per the EPA Label Review Manual (1995); listed additional uses: coatings, wood preservative stains, grouts, joint compounds, latex adhesives, caulks, and sealants, polymer lattices, and paper coatings. The Agency responded to the April 22, 1996 label amendment on April 18, 1997. The Agency did not accept the label amendment. The label was revised and resubmitted on June 27, 1997 incorporating the changes mandated by EPA.

File: ISK Labels/Tuffcide 404 2nd Draft 6/97- Submitted 6/97 Three Additional CTL Uses