

## **Tuffcide N-40-D Paint Microbiocide**

INDUSTRIAL

For Commercial Application to Control Mildew on Paint Film

**GUARANTEE:**

Chlorothalonil ..... 40.4%

Contains 4,4-dimethyloxazolidine at 0.077% as a preservative.

**READ THE LABEL BEFORE USING  
KEEP OUT REACH OF CHILDREN**

**WARNING: CAUSES EYE DAMAGE**

REGISTRATION NO. **18965**  
PEST CONTROL PRODUCTS ACT

NET CONTENTS     **18.9 L to 113.9 L**

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## NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the Pest Control Products Act to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

## FIRST AID

**Contact with eyes:** Hold eye open 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 centre or doctor for treatment advice.

**Contact with skin or clothing :** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

**Inhalation:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**Ingestion:** If swallowed call a poison control centre 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 a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**Allergic reaction:** Contact a physician immediately for treatment with antihistamines or steroid creams and/or systemic steroids.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

## TOXICOLOGICAL INFORMATION

Treat symptomatically.

## PRECAUTIONS

The following precautions should be observed in handling and using Tuffcide N-40-D Paint Microbiocide.

**Do not get in eyes.** Tuffcide N-40-D Paint Microbiocide is capable of causing eye damage. Wear goggles or eye shield when handling this product. See First Aid Procedures.

**Avoid contact with skin or clothing.** See First Aid Procedures.

**Do not take internally. Avoid breathing spray mist.**

**NOTE: Tuffcide N-40-D Paint Microbiocide** may produce temporary allergic side effects characterized by redness of the eyes, mild bronchial irritation and redness or rash on exposed skin areas. Persons having allergic reaction should contact a physician.

See First Aid Procedures.

## **PERSONAL PROTECTIVE EQUIPMENT**

Wear goggle or eye shield to protect eyes when handling Tuffcide N-40-D Paint Microbiocide.

Use protective barrier cream on exposed skin areas.

Wear gloves and protective clothing when handling or using Tuffcide N-40-D Paint Microbiocide to minimize skin contact.

**Do not** inhale spray mist - wear a respirator if necessary. Launder outer garments if exposed to dust or spills. Discard footwear which cannot be decontaminated.

## **ENVIRONMENTAL HAZARDS**

**Tuffcide N-40-D Paint Microbiocide** is toxic to fish. Keep out of lakes, streams or ponds.

## **STORAGE**

Store Tuffcide N-40-D Paint Microbiocide in a cool, dry, well ventilated place. Keep away from fire or open flame, or other sources of heat. Keep in original container during storage. This product may congeal or stratify when exposed to temperatures below its pour point. Should this occur, allow the container to warm to room temperature and mix well before using. Do not contaminate water, food or feed by storage or disposal.

## **DECONTAMINATION AND DISPOSAL**

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean up of spills.

### **CONTAINER DISPOSAL:**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

**IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING  
CALL 1-800-327-8633 (FASTMED)**

**DIRECTIONS FOR USE**

Tuffcide N-40-D Paint Microbiocide is a broad spectrum microbiocide for control of fungi. Its high degree of activity provides excellent performance characteristics for use as a mildewcide in latex exterior and interior emulsion paints and solvent-based paints. Tuffcide N-40-D Paint Microbiocide has several desirable properties which are important in manufacturing fungus resistant paint.

These are:

- extremely low water solubility
- low vapour pressure
- fine particle size
- excellent pH stability

**Latex Exterior and Interior Emulsion Paints** - For exterior paints, use 1.0-2.0 litres per 100 litres. For interior paints, use 0.5-1.0 litres per 100 litres.

**Solvent-Based Paints** - Use 1.0-2.3 litres per 100 litres.

**RECOMMENDATIONS FOR USING Tuffcide N-40-D Paint Microbiocide**

**Latex Emulsion Paints**

Tuffcide N-40-D Paint Microbiocide is a 40.4% active aqueous dispersion of chlorothalonil. It can be added in the paint formula during the pigment grind operation, during or after letdown, or post-added to a finished product.

Generally, 1.0-2.0 litres of Tuffcide N-40-D Paint Microbiocide per 100 litres of exterior paint are sufficient for effective mildew control in the paint film. In extreme mildew areas, such as the West Coast, levels of up to 2.0 litres are recommended. Levels of 0.5-1.0 litres have been found effective in interior latex paint. Tuffcide N-40-D Paint Microbiocide, at these recommended levels, may be used as a component of paints used in non-food contact surfaces in food plants.

Tuffcide N-40-D Paint Microbiocide is compatible with zinc oxide in latex paints. Tuffcide N-40-D Paint Microbiocide can be used with either unmodified or alkyd modified acrylic, vinyl acrylic or polyvinyl acetate latexes.

If a can preservative is used in combination with Tuffcide N-40-D Paint Microbiocide, its compatibility with Tuffcide N-40-D Paint Microbiocide should be examined first. Our studies indicate that certain can preservatives appear to react with Tuffcide N-40-D Paint Microbiocide to produce a yellowing in the can.

**Solvent-Based Exterior Paints**

Tuffcide N-40-D Paint Microbiocide can be used to aid in protecting solvent-based exterior paint films from mold growth at treatments levels of 1.0-2.3 litres 100 litres. Again, dispersion is readily

accomplished during the pigment grinding operation. As in the case of latex paints, zinc oxide can be used with Tuffcide N-40-D Paint Microbiocide.

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