



STATE OF HAWAII  
Department of Agriculture

**ACCEPTED**  
LICENSE NO. **9197.354**

**Disc.**

# BIOBAN™ IC 40 AS (US) Antimicrobial

FOR INDUSTRIAL USE ONLY

**ACTIVE INGREDIENT:**

3-Iodo-2-propynyl butyl carbamate ..... 40.00%

**OTHER INGREDIENTS:** ..... 60.00%

**TOTAL** ..... 100.00%

## KEEP OUT OF REACH OF CHILDREN WARNING

### FIRST AID

|   |   |
|---|---|
| <b>IF IN EYES:</b>  | <ul style="list-style-type: none"> <li>• 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.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>                                  |
| <b>IF SWALLOWED:</b>  | <ul style="list-style-type: none"> <li>• 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.</li> </ul> |
| <b>IF INHALED:</b>  | <ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or a doctor for further treatment advice.</li> </ul>                          |
| <b>IF ON SKIN OR CLOTHING:</b>  | <ul style="list-style-type: none"> <li>• Take off contaminated clothing. 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>  |
| Have product container or label with you when calling a poison control center or doctor or going for treatment. |   |
| <b>EMERGENCY MEDICAL INFORMATION: (989) 636-4400</b>  |   |
| <b>IN CASE OF TRANSPORTATION EMERGENCY: CALL (989) 636-4400</b>   |   |

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS

## WARNING

Causes substantial but temporary eye injury. Harmful if inhaled or swallowed. Do not get in eyes or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid breathing spray mist.

#### Personal Protective Equipment (PPE)

Applicator's and other handlers must wear:  
 –long-sleeve shirt and long pants;  
 –goggles, face-shield or safety glasses;  
 –chemical resistant gloves (such as Barrier laminate, Butyl Rubber, Neoprene Rubber, or Nitrile Rubber);  
 –shoes plus socks

#### User Safety Requirements

Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.  
 Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.  
 Users must remove personal protection equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly.  
 Follow manufacturer's instruction for cleaning/maintaining PPE. If no such instructions exist 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.**

The following are suggested use levels for BIOBAN IC 40 AS (US) Antimicrobial. The suggested use levels of BIOBAN IC 40 AS (US) Antimicrobial are given in percentage by weight.

**For use as a preservative in manufacturing dry film paints, stains and latex emulsions:** Add the product at the end of the manufacturing process and allow to mix thoroughly to be adequately dispersed in the paint. Use levels for protection on painted surfaces range from 0.1-2.0% in wet paint.

**For use in aqueous metal working, cutting, cooling and lubricating fluids and concentrates:** Add the product directly to the fluid or to the reservoir containing the fluid. Circulate the fluid to ensure homogenous mixing. Typical use levels range from 0.05-0.5%. The amount required in the concentrate will depend on the dilution.

**For paper coatings:** This product is used to prevent mold or mildew in coatings that are applied to paper and cardboard substrates such as corrugated cardboard or soap wrappers, wall covers, non-food packaging materials and non food contact paper tapes at use levels from 0.05-2.0% (15-750mg/m<sup>2</sup> dry fiber). Add at the end of the cycle with good agitation to prevent possible mechanical losses and ensure a uniform distribution.

**For plastic and plastic coatings:** For the control of surface mildew growth on plastic or plastic coated items such as shower curtains, cable and wire insulation, sun umbrellas, polymer furniture, filter media, polymer components of carpet, for example carpet backing. The polymer component of plastics or plastic coating is typically PVC polyurethane, and elastomer or rubber, neoprene, polystyrene, polyolefin, polycarbonate, etc. Use levels range from 0.5-2.5% by weight of the plastic or plastic coating. Add product in the plasticizer or color concentrate before it is incorporated into the final plastic or plastic coating formulation to ensure uniform distribution.

**For cordage:** Add the product at use levels ranging from 0.5-2.5% at the end of the process with good agitation for uniform distribution.

**For inks:** This product will impart protection of aqueous based ink solutions against fungi at use levels ranging from 0.05-3.0%. Add at the end of the product cycle with good agitation for uniform distribution.

**For pigment dispersions, slurries, gypsum slurries for wallboard (drywall and gypsum board):** Add the product at use levels ranging from 0.01-2%. Add the product at the end of the production cycle with good agitation to ensure uniform distribution.

**For household, consumer, industrial, institutional, and janitorial products (such as liquid and solid air fresheners, dish detergents, laundry products, soaps and detergents, non-food contact surface cleaners, floor care products, bathroom cleaners, window cleaners, fabric care products, automotive care products, and furniture care products):** Add the product at use levels ranging from 0.01-0.075%. Add at the end of the product cycle with good agitation to insure uniform distribution.

**For wood preservation:** This product is to be used in above-ground applications only. Typical use levels range from 0.5-3.0%. Dilute the product in an appropriate solvent to make a good dispersion and then apply to new lumber, particle board, millwork, etc. The amount of product use will depend on the severity of the conditions for end use and the extent of time that protection is required.

Exact levels of use must be determined by field trials because of great variation in susceptibility of fresh sawn lumber relating to the type of wood, sawing and storage techniques, conditions of humidity, method of treatment, etc.

For best results treat lumber within twenty-four hours after it is sawn. Apply to wood by dipping, brushing, spraying or pressure treatment. After treatment, lumber must be stacked in a properly maintained seasoning yard with good drainage such that no water will accumulate in any area. Main alleys of the yard must be at least 16ft wide, and stack foundations must be sufficiently elevated to permit ready access of air to the pile and allow water to drain off quickly.

**BIOBAN IC 40 AS (US) Antimicrobial can be used as a fungicide in non-medical, non food contact aqueous, solvent and non-solvent based systems such as natural and synthetic adhesives, caulks, patching compounds, sealants, grouts, latexes such as sbr/latex used in the manufacture of flooring adhesives or carpet backings and for use in cement-based products. Add the product in the ranges of 0.05-0.625%.** Add at the end of the product cycle with good agitation to insure uniform distribution.

For specific recommendations on specific amounts of product to use please contact The Dow Chemical Company.

Do not apply this product in a way that will contact workers or other persons.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. 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.**

**PESTICIDE STORAGE** – Keep container tightly closed when not in use. Do not store with strong oxidizing agents or (concentrated) acids.

**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 local State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING** – Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) 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 the rinsate into application equipment or a mix tank or store for later use or disposal. Drain for 10 seconds after the now begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, 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.

**NOTE: READ THE MATERIAL SAFETY DATA SHEET BEFORE USING THIS PRODUCT.**

Distributed by



**The Dow Chemical Company**

Midland, Michigan 48674 U.S.A.

(989) 636-4400

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EPA Reg. No.: 1529-63-464

EPA Est. No.: 1529-CAN-001

**Net Contents: 40 LBS / 18.1 KG**

Final Printed Labels EPA Submission January, 2012•RA4953

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Net Contents: 450 LBS / 204.1 KG; 2000 LBS / 907.2 KG