For industrial use only as a preservative for aqueous compositions including, adhesives, metallic working, cutting, cooling & lubricating fluids.

**ACTIVE INGREDIENT:**

- 3-Iodo-2-propynyl butyl carbamate: 40%

**INERT INGREDIENTS (OTHERS):**

- 60%

**Total:**

100%

Contains 3.88 lbs. of active ingredient per gallon

**KEEP OUT OF REACH OF CHILDREN** — DANGER — PELIGRO

**DIRECTIONS FOR USE**

- Do not apply this product in a way that will contact workers or other persons.
- Adhesives
  - BUSAN® 1440 may be used as an additive to non-medical, non-food use natural and synthetic adhesive formulations and causatives to prevent the growth of fungal organisms in the materials in both the wet state and in the dry film of the finished product. Typical use levels are between 0.05-0.825% wet formulation weight. To ensure uniform distribution, add this product to the end of the production cycle with good agitation. For example, to inhibit the growth of mildew on a latex-based wall cover adhesive for a non-food area, add 0.5% (5 lbs of BUSAN® 1440 per 1000 lbs of latex-based adhesive formulation) of this product to the latex-based formulation.

**Aqueous Metalworking, Cutting, Cooling & Lubricating Concentrates**

- To inhibit the growth of fungi in aqueous metalworking, cutting, cooling and lubricating fluids, add an amount that will give up to 2.500 ppm in the diluted fluid. The amount required in the concentrate will depend on the end use situation. For example, if the desired level of this product in the diluted fluid is 250 ppm, and the end use dilution of the fluid is 5%, then a 0.5% concentration of this product is required in the concentrate (250 ppm/0.05 lbs = 5,000 ppm or 0.5%).

**Aqueous Metalworking, Cutting, Cooling & Lubricating Fluids**

- To inhibit the growth of fungi in aqueous metalworking, cutting, cooling and lubricating fluids add up to 2.500 ppm (0.25% v/v) of this product to the diluted fluid (1 quart per 100 gallons of solution or 2.5 liters per 1000 liters). This product may be added to the fluid at the time it is prepared (diluted) or to the reservoir (sump) containing the fluid after it is put into use. If it is added to the reservoir, the fluid must be circulated after addition to ensure mixing.

**Corrosive**

- BUSAN® 1440 may be used as a mildewcide in both aqueous and solvent based process formulations which coat caddage. Typical use levels of this product will range from 0.05-2.5% of the process formulations used in the process of these caddages. To ensure uniform distribution and prevent mechanical losses, add this product to the process formulation at the end of the manufacturing process. As an example, to inhibit the growth of mildew on caddage for a non-food area, add 1.25% (12 lbs BUSAN® 1440 per 10,000 lbs. of process formulation) of this product to the process formulation.

**Textiles**

- BUSAN® 1440 may be used as a mildewcide applied in both aqueous and solvent based coatings or dyes which are typically used in textile material processing. Typical end use applications of these materials may include carpet fibers and backings, canva and caddage, and drapes and shower curtains. Not to be used in fabrics intended for human wear or direct skin contact. To ensure uniform distribution and prevent mechanical losses, solubilize or stir the product into the bath or dye polymer coating. Use levels range from 0.5-2.0% by weight of the process formulation. As an example, to inhibit the growth of mildew on cotton canvas, one might use 1% of this product to the dye bath formulation.

**NET CONTENTS:**

- gallons

**NET WT:**

- lb / kg

**LOT:**

- E.P.A. Registration No. 484-8124-1448
- E.P.A. Est. 83434-IL-001
- Buckman Laboratories, Inc.
- 1226 North McLean Boulevard
- Memphis, TN 38118-1241

**INERT INGREDIENTS:**

- 60%

**Total:**

100%

**KEEP OUT OF REACH OF CHILDREN** — DANGER — PELIGRO

**DIRECTIONS FOR USE**

- Do not apply this product in a way that will contact workers or other persons.
- Adhesives
  - BUSAN® 1440 may be used in aqueous-based ink solutions for protection of fungal organisms. To ensure uniform distribution, add this product at the end of the production cycle with good agitation.
- Paints and Stains
  - BUSAN® 1440 used in solvent and waterborne paints and stains, will inhibit the growth of mildew. To ensure uniform distribution, add this product at the end of the manufacturing process and allow enough time for the product to fully incorporate into the solution. Do not add this product to hot paint. Typical use levels for protection against mildew on painted surfaces are 0.25-1.2% by weight on wet paint. For example, house paint with a wet density of 10 lbs per gallon would use 2.5-12 lbs of this product per 100 gallons of paint. Where the climate is severe and mildew growth is a major problem for painted surfaces, more would be required, as much as 0.2% by weight in the paint. For interior paint formulations, use approximately the same concentration as the exterior paints, depending on the color and type and size of the building.
- Plastics and Plastic Coatings
  - BUSAN® 1440 may be used to prevent surface mildew growth on plastic items, such as shower curtains, cable and wire insulation, and umbrella. Intended plastics include polymers such as PVC. Use levels of 0.125-2.5% by weight of the plastic are generally adequate. This product must be dispersed in the plasticizer of color concentrate before it is incorporated into the resin to ensure a uniform distribution. Do not use this product if the heat of processing is above 350°C for prolonged periods. Do not use this plastic that will be in contact with food or in medical device applications.
- Paper Coatings
  - BUSAN® 1440 may be used as a mildewcide in both aqueous and solvent-based coatings which are applied to paper and cardboard substrates. This product can be used to prevent mildew and mildew from growing in products such as envelopes, canister coverings, cardboard or soap wrappers, wall covers, non-food contact packaging materials, and non-food contact paper tapes. Use levels of this product range from 0.05-2.0% by weight of this product by weight. To ensure uniform distribution and prevent mechanical losses, add this product to the end of the production cycle with good agitation. As an example, to inhibit the growth of mildew on corrugated cardboard intended for non-food packaging, use 1.25% (12.5 lbs BUSAN® 1440 per 1000 lbs. coating material) of this product to the coating material formulation.