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PM 31 #1148-92

# BUSAN® 1024

## INDUSTRIAL MICROBICIDE

### ACTIVE INGREDIENT:

1-methyl-3,5,7-triaza-1-azoniatricyclo[3.3.1.1 <sup>3,7</sup> ]decane chloride .....	18%
INERT INGREDIENTS .....	82%
	100%

EPA REG. NO. 1448-92

### KEEP OUT OF REACH OF CHILDREN CAUTION

### STATEMENT OF PRACTICAL TREATMENT

If product gets in eyes, flush with plenty of water for at least 15 minutes. Consult a physician if irritation occurs. In case of skin contact, wash thoroughly with soap and water. Remove and wash contaminated clothing before reuse.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Avoid contact with skin, eyes, or clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

#### ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public water unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of wastes.

### DIRECTIONS FOR USE

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

Busan 1024 is a preservative that is effective for the protection of emulsion paints, adhesives, latex emulsions, construction materials, detergents, laundry detergents, petroleum products and recovery, fountain wash systems, textiles, inks, polishes and waxes, papermaking chemicals and coatings, and metalworking fluids. The directions given on this label show the range of effective concentrations indicated by laboratory tests on typical substrates, but it is recommended that appropriate preservation tests be run to determine the minimum amount of Busan 1024 needed to preserve a particular formulation. Technical assistance in the application of Busan 1024 as a preservative is available upon request when a description of the problem is provided. \*Busan 1024 may not be used for preservation of materials which may contact food.

**EMULSION PAINTS:** For in-can preservation of emulsion paints, add 0.05 to 0.50% Busan 1024 by weight of the formulation (500 to 5000 ppm). The preservative can be added in the holddown or to any of the aqueous raw materials incorporated in the paint.

**ADHESIVES\*:** To protect adhesives based on starch, gums, latexes, cellulose, proteins, synthetic polymers, or other natural or synthetic materials from microbial degradation, add 0.1 to 0.50% Busan 1024 by weight of the formulation (1000 to 5000 ppm).

**LATEX EMULSIONS:** For the preservation of acrylic, vinyl acetate, styrene, and other latex emulsions, add 0.05 to 0.50% Busan 1024 by weight of the emulsion (500 to 5000 ppm). Products containing no residual monomer will require concentrations in the higher part of the recommended concentration range.

**CONSTRUCTION MATERIALS:** To increase shelf and use life of caulking, grouting and spackling compounds and cements, add 0.05 to 0.15% Busan 1024 by weight of the formulation (500 to 1500 ppm).

**DETERGENTS:** To prevent bacterial deterioration during storage and to increase the shelf life of biodegradable surfactants, add 0.1 to 0.3% Busan 1024 by weight of the formulation (1000 to 3000 ppm).

**LAUNDRY STARCH:** To increase shelf and use life of liquid formulations add 0.1 to 0.3% Busan 1024 by weight of the formulation (1000 to 3000 ppm).

**PETROLEUM PRODUCTION AND RECOVERY:** To prevent bacterial growth in drilling muds, gypsum muds, packer fluids, underground flooding waters, and underground strata, add 0.2 to 0.3% by weight (2000 to 3000 ppm) Busan 1024.

**FOUNTAIN WASH SYSTEMS:** To prevent bacterial growth and odor in fountain wash systems, add 0.15 to 0.3% Busan 1024 by weight of formulation to fountain wash solutions (1500 to 3000 ppm).

**TEXTILES:** To prevent spoilage of spinning emulsions for rayon and finishing solutions and to prevent viscosity and pH changes in printing pastes caused by bacteria and fungi, add 0.8 to 1.0% Busan 1024 by weight of the formulation (8000 to 10,000 ppm).

**INKS:** To increase the shelf life of water-based fountain pen, fabric and paper printing inks, add 0.02 to 0.1% Busan 1024 by weight of the formulation (200 to 1000 ppm).

**POLISHES AND WAXES:** To preserve water-based polishes and waxes in the can and during storage, add 0.3 to 0.75% Busan 1024 by weight of the product (3000 to 7500 ppm).

**PAPERMAKING CHEMICALS AND COATINGS\*:** To control the bacterial degradation of paper coatings, pigment slurries, and other aqueous formulations used in papermaking, add 0.3 to 0.50% Busan 1024 by weight of the formulation.

**METALWORKING FLUIDS:** Busan 1024 is recommended for use in metalworking fluids to prevent bacterial contamination and subsequent malodor and loss of desired physical characteristics. The concentrations of Busan 1024 needed depend upon the type of metalworking fluid employed. In soluble oils and semisynthetic fluids, add sufficient Busan 1024 to provide a concentration of 0.30 to 0.50% in the diluted "ready-to-use" fluid. For synthetic metalworking fluids, the concentration of Busan 1024 should be 0.10 to 0.50% of the diluted "ready-to-use" fluid.

\*Busan 1024 may not be used for preservation of materials which may contact food

### STORAGE & DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food, or feed by storage and disposal.

**STORAGE:** Do not stack more than four drums high. Leaking or damaged drums should be placed in overpack drums for disposal. Spills should be absorbed in sawdust or sand and disposed of in a sanitary landfill. Keep container closed when not in use.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

ACCEPTED

## BUCKMAN LABORATORIES, INC.

1256 N. MCLEAN BLVD., MEMPHIS, TENN. 38108, U.S.A.  
EPA ESTABLISHMENT NO. 1448-TN-1

MAY 17 1991

Under the Federal Insecticide, Fungicide, and Rodenticide Act

as amended, for the pesticide registered under EPA Reg. No. 1448-92

NET CONTENTS MARKED ON CONTAINER