**BIOBAN O 45 ANTIMICROBIAL**

**Industrial Mildewcide - For Use as an Industrial Mildewcide in Coatings, Paints, Building Materials, Wallpaper Pastes and Adhesives, Leather, Aqueous Adhesives and Tackifiers. Store Between 32-100 °F.**

**ACTIVE INGREDIENTS:**

- 2-CH-CTYL-4-ISOOTHIOAZOLIDONES 45.09%

**INSERT INGREDIENTS:**

- Total: 100.00%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**FIRST AID IF ON SKIN:**

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15-20 min.
- Call a poison center or doctor for advice.

**IF IN EYES:**

- Hold open lids and rinse stream of running water directly into eyes for 15-20 min. Remove contact lenses, if present, after first 5 min, then continue rinsing eyes.
- Call a poison control center or doctor for advice.

**IF INHALED:**

- Move person to fresh air.
- If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth.
- Call a poison control center or doctor for advice.

**IF SWALLOWED:**

- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Have person sip a glass of water if able to swallow.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measure against cardiovascular shock, respiratory depression and convulsions may be necessary. SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

**CORROSIVE CAUSES SEVERE EYE DAMAGE AND SKIN BURNS MAY CAUSE ALLERGIC SKIN REACTION HARMFUL IF INHALED HARMFUL IF SWALLOWED**

Do not get in eyes, on skin, or on clothing. Wear goggles and rubber gloves. Avoid contact with eyes or skin. Keep container closed. Use with adequate ventilation. Do not take internally. Wash thoroughly after handling.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and wildlife. 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 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. Apply this pesticide only as specified on this label.

**STORAGE AND DISPOSAL**

**PROHIBITIONS:** This product is sensitive to metal. Do not store or transport in unlined metal containers. Do not contaminate water, food, or feed by storage or disposal of cleaning equipment. PESTICIDE DISPOSAL: Pesticide waste must be treated appropriately. Immerse disposal of excess pesticide or residues is in violation of Federal law. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agency of the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:**

**METAL CONTAINERS:** Unlined containers (or equivalent) should be offered for recycling or reconditioning. Where permitted by the law of the land, return them to your local reclaimed metal recycler.

**PLASTIC CONTAINERS:** Unlined containers (or equivalent) should be offered for recycling or reconditioning. They must be disposed of in a sanitary landfill or by other procedures approved by state and local authorities.

**DIRECTIONS FOR USE**

It is a violation of Federal law for any person to use this product in a manner inconsistent with its labeling. BIOBAN O 45 (14518-60-9) is recommended for the control of bacteria and mold in the storage and transport of wet leather stock such as printed, chromo- coated and vegetable-tanned leather. Use BIOBAN O 45 Antimicrobial at the levels specified in the following table to prevent microbial growth on processed hides. The actual level will depend on storage conditions and the length of protection required. BIOBAN O 45 Antimicrobial should be added to the polymer before processing. BIOBAN O 45 Antimicrobial is recommended at 500 ppm for applications requiring higher levels of protection. BIOBAN O 45 Antimicrobial is recommended at 0.50 ppm for applications requiring lower levels of protection.

**LEATHER PRESERVATIVE**

BIOBAN O 45 Antimicrobial is recommended for the preservation of leather to prevent microbial growth in the storage and transport of wet leather stock such as printed, chromo- coated and vegetable-tanned leather. Do not use BIOBAN O 45 Antimicrobial at the levels specified in the following table to prevent microbial growth on processed hides. The actual level will depend on storage conditions and the length of protection required. BIOBAN O 45 Antimicrobial should be added to the polymer before processing. BIOBAN O 45 Antimicrobial is recommended at 500 ppm for applications requiring higher levels of protection. BIOBAN O 45 Antimicrobial is recommended at 0.50 ppm for applications requiring lower levels of protection.

**AQUEOUS ADHESIVE AND TACKIFIER PRESERVATION**

For use as a water-borne preservative in water-dispersible and water-dispersed coatings such as waxes, glues, vegetable gums, starch, flour, cellulose esters, polyvinyl acetate, hydrosoluble starches, polycelluloses, resins, acrylic latexes, and binders containing urea or formaldehyde resin. Use 0.5 to 2.0 parts of BIOBAN O 45 Antimicrobial per 100 parts of formulation.

**WALLPAPER PASTES AND ADHESIVES**

For use as a wallpape past and to prevent microbial growth on wallpaper pastes and adhesives. Use 0.5 to 2 parts of BIOBAN O 45 Antimicrobial per 100 parts of formulation.