On this page, we have a description of how to use a product called CHEM-AQUA's 4140 to maintain a bromine residual in a system. The product is intended for use as a slimicide for process water used in the manufacture of paper and paperboard, in the bleaching of wood pulp, in cooling towers, and in commercial and industrial washing systems. The product is a liquid concentrate and is added to the system water to maintain a bromine residual of 0.5 to 5.0 parts per million (ppm) (milligrams per liter) in the water. The dosage rate is adjusted to maintain the residual and is based on the flow rate and volume of water treated. To calculate the appropriate level of this product, estimate the paper mill’s daily production, and then adjust the feed rate to achieve the desired bromine residual. The product is effective against algae, fungi, and bacteria in both fresh and saltwater systems.

**To calculate the appropriate level of this product, estimate the paper mill’s daily production, and then adjust the feed rate to achieve the desired bromine residual.**

**DOSAGE RATES**

For use as a Disinfectant, Sanitizer, Bactericide, Fungicide, Algaecide, and for Control of Microbial Slimes in Industrial Processes and Water Systems such as Recirculating Cooling Water Systems, Wastewater Treatment Systems, Waterfowl Pasteurizers, Air Conditioners and Dehumidifiers, Evaporative Coolers, Paperboard and Paperboard Process Water, and Water Fountains/Reflecting Ponds. For control of microbial growth in photo wet processes.

**PRODUCT INFORMATION**

- **ACTIVE INGREDIENT**: 4140 - 0.5 to 1.0 lb (0.22 to 0.45 kg) of this product per 10,000 gal (38,000 liters) of water.
- **OTHER INGREDIENTS**: Contains one or more ingredients which are considered to be hazardous waste.
- **TOTAL WEIGHT**: 20 lb (9 kg) per container.
- **FIRST AID**: In case of contact with eyes, rinse immediately with大量 water. If irritation persists, get medical attention.
- **ENVIRONMENTAL HAZARDS**: This pesticide is toxic to fish and aquatic organisms. Do not discharge effluents containing this product into lakes, streams, ponds, estuaries, 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.
- **PESTICIDE STORAGE**: Store in original container. Keep out of reach of children.

**PESTICIDE SAFETY DATA SHEET**

- **SODIUM HYDROXIDE**: Bought in 1-2 ppm adjust the feeder accordingly. To maintain bromine residual, adjust the brominator feed rate to achieve constant treatment levels of 1 ppm. Use lower dosage rates in areas of lower influent water volumes. Dispose of contaminated material in an approved landfill area.

- **TOTAL WEIGHT**: 20 lb (9 kg) per container.

**KEEP OUT OF REACH OF CHILDREN**

- **FIRST AID**: In case of contact with eyes, rinse immediately with大量 water. If irritation persists, get medical attention.

**ACTIVE INGREDIENT**

- **2-Chloro-3,5-dimethylpyridine**: 15.6%

**OTHER INGREDIENTS**

- **TOTAL WEIGHT**: 20 lb (9 kg) per container.

Each tablet weighs approximately 20 grams.