



BIO-3290 **NON-OXIDISING BIOCIDES**

Description

BIO-3290 is a blend of selected isothiazolines and is the product of choice when fast deactivation is required, as to prevent mutagenecies.

BIO-3290 is a high performance industrial microbiocide for use in closed recirculating water systems, cooling towers, power station circuits, wood, mold and mildew control, pulp and paper mills, oil field injection waters air washer, air conditioning and food processing systems.

BIO-3290 has extreme broad-spectrum activity, controlling bacteria, fungi and yeast without affecting products physical properties. Very low use levels make **BIO-3290** one of the most cost effective solutions on the market.

BIO-3290 is very effective in controlling the typical bacteria and fungi, but also offers compatibility with papermaking chemicals and equipment, and convenient handling properties.

Advantages

- **Compatibility**

BIO-3290 Isothiazolines are generally compatible with most components of industrial products.

- **Biocidal Performance**

BIO-3290 is a highly cost effective biocide preservative due to the low use levels required.

- **Rapid inhibition of macromolecular synthesis (proteins, RNA, etc.)**

- **Synergistic with halogen, not pH sensitive**

- **Minimal environmental concerns**

- **Meets FDA requirements**

BIO-3290 meets the requirements of the Food and Drug Administration (FDA) for use as a slimicide in the manufacture of paper and paperboard, intended to contact food (21 CFR 175.500 and 175.320).

Application

- **Recommended method of addition**

You can feed **BIO-3290** with a metering pump at any point where uniform mixing can be attained. Use corrosion resistant equipment.

BIO-3290 can be added continuously or periodically, with adjustments in the intervals between additions and dose levels dependent on visual inspections, microbiological analyses, and/or experienced observations of a water treatment representative.

- **Treatment levels**

For closed systems a normal feeding of a 25 ppm shock once to twice a month is normally sufficient.

For cooling towers and air washers shock of 25 ppm twice a week is recommended.

For the control of bacterial, fungal, and yeast growth in pulp, paper, and paperboard mills, add **BIO-3290** at the rates of 50 to 150 gr / tn of dry paper.

- **To remove slime from fouled systems.**

- Add 500 ppm of BIO-3290 2-3 times a week until the system is clean.

Avoid contact with skin and eyes. For further information refer to Material Safety Data Sheet.



EUROCHEM BIOCIDES PROGRAM

In order to avoid mutation of organisms which make them resistant to biocides the process we recommend is a four-week cycle as follows:

Use BELCAN for three weeks and for the fourth week use our product BIO-3290.

The organisms that have become habituated to BELCAN are immediately destroyed by BIO-3290.

Repeat the procedure from the beginning. Use BELCAN for three weeks and BIO-3290 for the fourth week.