



AWTC 7600 DBNPA BIOCIDES

PRODUCT DATA

DESCRIPTION AND USE

AWTC 7600 is a 20% active proprietary end use formulation of DBNPA. It is used to control microbial, fungal and algal growth in industrial water systems such as cooling towers, evaporative condensers, air washers, non-potable reverse osmosis units, pulp and papermill effluents, oil-recovery systems, metal-cutting coolants, and air-conditioning systems (effective against Legionella). The effectiveness of **AWTC 7600** is reduced as the system pH increases above 8.5, requiring higher feed rates.

AWTC 7600 is deactivated by sulphur-containing nucleophiles.

GENERAL USE GUIDELINES

For full use guidelines, please refer to the EPA approved label. General guidelines are summarized below:

Industrial Recirculating Water Cooling Tower: Shot feed 2 - 3 days per week at a dosage of 5 - 30 ppm. Dosages are dependant on level of foulant and pH.

Reverse Osmosis: Continuous feed at a rate of 10 - 100 ppm. Off line disinfect at 50 - 170 ppm.

Air-Washer Systems: Shot feed 1-2 days per week at a dosage of 1-10 ppm.

TYPICAL PROPERTIES

Appearance.....	Yellow liquid
Odor.....	Trace disinfectant
Specific Gravity.....	1.163-1.182
Density.....	9.77 lbs./gal.

SAFETY AND HANDLING

SOLUBILITY-Totally miscible in water.

FLAMMABILITY & EXPLOSIVITY-**AWTC 7600** is non-flammable and non-explosive. In case of fire, it will start decomposing at about 105°C and release irritating, toxic fumes.

REACTIVITY- **AWTC 7600** is deactivated by sulphur-containing nucleophiles.

TOXICITY-

LD₅₀ (oral, rat): 828 mg/kg

LD₅₀ (dermal, rabbit): >2000 mg/kg

LC₅₀ (inhalation, rat): 0.39 mg/l/4hr

STABILITY- It is stable in ambient conditions, but is sensitive to heat and light.

At pH > 9, **AWTC 7600** readily decomposes.

AWTC 7600 is corrosive to the eyes, irritant to the skin and toxic by inhalation.

American Water Technique

For More information's

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