



# K-BAC 1005

Fast Kill Biocide

## GENERAL DESCRIPTIONS

**K-BAC 1005** is a 5% active end use formulation of DBNPA. **K-BAC 1005** is a quick kill, non-oxidizing biocide used to control microbial, fungal and algal growth in industrial water systems such as cooling towers, evaporative condensers, pulp and papermill effluents, oil-recovery systems, metalcutting coolants, air-conditioning systems. It is effective against Legionella.

Oilfield applications include fracturing, drilling, completion, workover, packer fluids, waterflood injection, drilling muds, and pipeline hydrotesting.

## BENEFITS

- Cost-effective
- Quick Kill
- Broad spectrum
- Short half-life for low environmental impact
- Effective at broad pH and temperature range

PRODUCT SPECIFICATIONS	
Appearance	Colorless to amber
Specific Gravity	1.12 ± 0.05
pH	2 - 5
Flash Point	318 -329°F (158—165°C)
Water Solubility	Soluble

## STORAGE AND HANDLING

Store in a dark, cool, dry, well-ventilated area, not above 104°F (40°C), in well-closed original containers, away from energy sources, combustible organic materials, oxidizers and moisture. When handling or dealing with spills, use impact-resistant goggles with side shields, or face shield; wear body-covering clothes, including impervious rubber gloves and boots; use a respirator if misting occurs. Cover wet spills with 10% sodium bicarbonate solution, water and then an inert absorbent before sweeping up and disposing as described for pesticide disposal. If drum contents are contaminated or decomposing, isolate unsealed drum in the open or in a well-ventilated area: flood with 10% sodium bicarbonate solution and large volumes of water if necessary.

This information is given and presented for your consideration and is believed to be accurate. This product is sold and marketed without guarantee or warranty either expressed or implied. It is recommended to research and test to determine effectiveness in each application use.

Revision Date: 03/31/14

**BIOCIDES**

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# BIOCIDES

## APPLICATIONS

The recommended dose rate varies depending on the application and severity of contamination. The table below gives typical dosage ranges, but refer to EPA label for specific direction for use within each application. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label and use strictly in accordance with precautionary statements and directions.

Application	Initial Dosage	Subsequent Dosage
Recirculating Cooling Water (gal / 1000 gal)		
Bacteria	0.0192-0.0380	Depends on Method
Fungi and Algae	0.192-0.380	0.116-0.380
Pulp and Paper (lbs / ton)		
Bacteria, Fungal, and Yeast	0.60-2.00	0.60-1.40
Non-potable RO systems (ppm)		
Bacteria	24-48	12-48
Fungi and Algae	240-480	144-480
Metal Working Fluids (gal / 1000 gal)		
Bacteria, Fungal, and Yeast	1.1	0.4-0.8
Brewery Pasteurizer Water (gal / 1000 gal)		
Bacteria, Fungal, and Yeast	1.1	0.4-0.8
Enhanced Oil Recovery Systems (ppm)		
Bacteria, Fungal, and Yeast	36-284	4-53
Air-washer System (gal / 1000 gal)		
Fungi and Algae	0.012-0.380	0.006-0.188
Industrial Preservation Applications (ppm)		
Microbiological Contamination	100-8,000	N/A
Publicly Owned Treatment Works (ppm)		
Coliform and Bacteria (use without Chlorine)	4.0-40.0	N/A
Coliform and Bacteria (use with Chlorine)	1.6-6.0	N/A

## AVAILABILITY

**K-BAC 1005** is available in bulk, 5 gallon (20 liter) pails, 55 gallon (200 liter) drums, 275 gallon (1,000 liter) and 330 gallon (1,250 liter) .

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