

## Data Sheet

### Product-Description

**BENZYL-PHENOL-IAQ** Disinfectant-Cleaner is a synthetic detergent concentrate combined with a high powered 26% multiple chlorophenolic disinfectant, with a use dilution of one half (1/2) ounce per gallon of water (1:256). **BENZYL-PHENOL-IAQ** has a broad spectrum kill of gram positive and gram negative micro-organisms. **BENZYL-PHENOL-IAQ** is Staphylocidal, Pseudomonacidal, Salmonellacidal, Aspergillocidal, Tuberculosidal, Virucidal, Fungicidal, and Mildewcidal.

**BENZYL-PHENOL-IAQ** is ideally suited for use in Schools, Office and Government buildings, Hospitals, Gymnasiums, Locker room, Shower Stalls, Bathrooms, Animal Care Facilities, Health Care and Assisted Living Facilities, Apartment Complexes, and Private Homes.

**BENZYL-PHENOL-IAQ** is also recommended for use in fogging (wet misting) systems to reduce airborne contaminants.

**BENZYL-PHENOL-IAQ** is a HIGH FOAMING Disinfectant-Cleaner and can be applied through the use of high or low pressure spraying equipment, sponge or mop applications, foaming apparatus, or any other conventional cleaning methods.

### Microbiological and Virucidal Test Work

The requirements of the E.P.A. (Environmental Protection Agency) recognizes the test methods of the A.O.A.C. (Association of Official Analytical Chemists) as being the official testing procedures. Using these TEST METHODS (14<sup>th</sup> Edition, 1985), has been proven effective against a broad spectrum of HIGHLY RESISTANT ORGANISMS including:

- Adenovirus, avian & canine
- Aspergillus
- Alcaligenes
- Avian influenza
- Feline Calicivirus
- Canine Parvovirus
- E. coli
- Equine viral arteritis
- Infectious bronchitis
- Klebsiella
- Laryngotracheitis (LT)
- Mycoplasma gallisepticum
- Mycoplasma synoviae
- Mouse hepatitis
- Newcastle disease
- Parvovirus
- Pasteurella anatipestifer
- Pseudorabies
- Pasteurella multocida
- Reovirus
- Rhodococcus equi
- Porcine Reproduction and Respiratory Syndrome Virus (PRRS)
- Rhinopneumonitis
- Rhinotracheitis
- Rotavirus, avian & swine
- Salmonella arizonae
- Salmonella choleraesuis, Kunzendorf strain
- Salmonella enteritidis
- Sendai virus
- Staphylococcus aureus (greasy pig)
- Streptococcus equi
- Streptococcus suis, Type II
- TGE

• See reverse side for complete list!

All microbiological testing has been done in the presence of 10% horse serum (as organic soil) and 1000 ppm CaCO<sub>3</sub> (as hardwater). These levels are DOUBLE today's current E.P.A. registration requirements. No other disinfectant product has been tested and passed at these levels.

### Residual Germicidal Activity

**BENZYL-PHENOL-IAQ** is the only disinfectant to provide registered label claims for "residual control of odor causing bacteria" and has exhibited up to 92% reduction in salmonella choleraesuis after (7) day test period (see enclosed testing).

### Product Chemistry

Color - varies between dark amber and purple upon aging\*\*;

\*\*characteristic of chlorophenols

Odor-pleasant, clean, lemon

Viscosity-20.53 CST @ 100°F

Flash Point - has the following flash point properties:

Pensky Marten Closed Cup.....102°F

### Freeze / Thaw, Heat Stability, Storage Stability, Corrosion and Conductivity Testing

#### Freeze / Thaw Test

(3) cycles then tested by the A.O.A.C. use-dilution method for germicidal activity. The product passed at 5% horse serum and 1000 ppm water hardness (CaCO<sub>3</sub>) against Staphylococcus aureus ATCC #6538.

#### Heat Stability Test

After (3) months at 125 °F, the product was tested by A.O.A.C. use-dilution method for germicidal activity in 10% horse serum and 1000 ppm water hardness (CaCO<sub>3</sub>) against Staphylococcus aureus ATCC#6538.

#### Storage Stability Test

After one year, the product was tested by direct Photometric method as set forth in the methods approved by the E.P.A. for storage stability. The product maintained it's percentage of active ingredients of not less than 26%. In addition, the product was tested for efficacy by the A.O.A.C. use-dilution method for germicidal activity in 10% horse serum and 1000 ppm water hardness (CaCO<sub>3</sub>). The product passed against Staphylococcus aureus ATCC#6538.

#### \*Corrosion Test Summary

Using the ASTM D-930 procedure, samples of anodized aluminum, galvanized metal, and stainless steel were tested at (1) ounce per gallon at 110°F for (8) hours. **No Observable Attack on Specimens.**

**\*Samples of aluminum and stainless steel were tested at (1/2) ounce per gallon at 145°F for (24) hours. No Observable Attack on Specimens.**

#### Conductivity Test

**BENZYL-PHENOL-IAQ** has been tested by Hood-Patterson-Dewa Electrical Testing Engineers for it's effect on conductive flooring. The method used conforms to the specifications known as NFPA Standard No. 56A, published by the National Fire Protection Association, Second Edition, 1987. **BENZYL-PHENOL-IAQ** meets the requirement of NFPA 56A.