



## Product Information

### IPEL® BHD-235



**IPEL® BHD-235****Uses**

Active for household disinfectants.

Microbicide for in can preservation of water based household formulations against bacteria, fungi and yeasts.

**Chemical and physical data**

Composition:	Alkyl Dimethyl Benzyl Ammonium Chloride
Product description:	Colorless to yellow transparent liquid

**Specification**

The specification parameters can be found in the currently valid product specification.

**Characteristic data\***

pH (10%):	5.5 – 8.5
Density:	0.94 – 1.01 g/cm <sup>3</sup> (20 °C)
Solubility:	Totally soluble in water
Stability:	Temperature: 120 °C pH: 4.0 – 10.0 Light: Stable Chemical: Unstable in presence of anionic surfactants

\*Characteristic data provide further information about the product and are not subject to constant monitoring. They are therefore not binding.

**Storage**

If correctly stored and kept in the original sealed container, the shelf life is 24 months.

It is recommended to keep it in a ventilated place, away from sunlight, at temperatures below 50° C and in an area with a waterproof floor and containment system.

## IPEL® BHD-235

### Application

IPEL® BHD-235 is a germicide highly effective against bacteria and fungi, suitable for disinfectant, cleaners and similar formulations that require fast antimicrobial action.

It can also be used as a preservative. When incorporated in the appropriate dosage level to maintain the desired residual effect, it acts against microorganisms from the system itself, raw materials and the environment, responsible for numerous aggravating factors in the production process and in the final product, such as unpleasant odors, loss of viscosity, instability and, as a consequence, reprocessed manufactured product. IPEL® BHD-235 is recommended for the control of these undesirable microorganisms, having fast action, compatibility with cationic and non-ionic systems and acting in a wide pH range.

It is easy to add and handle, since it is totally soluble in water, has low toxicity and excellent surfactant activity. Its broad spectrum of activity includes:

#### **Bacteria**

*Aeromonas* sp  
*Bacillus* sp  
*Escherichia* sp  
*Proteus* sp  
*Pseudomonas* sp  
*Samonella* sp  
*Staphylococcus* sp

#### **Fungi and Yeasts**

*Anabaena* sp  
*Aspergillus* sp  
*Candida* sp  
*Cephalosporium* sp  
*Chlorella* sp  
*Diplodia* sp  
*Fusarium* sp  
*Microsporium* sp  
*Mucor* sp  
*Penicillium* sp  
*Trichophyton* sp  
*Verticillium* sp

IPEL® BHD-235 can be used alone or in combination with other IPEL microbicides. Our Technical Department is able to guide you in choosing the best alternative for your system.

### Suggested additions

IPEL® BHD-235 is recommended as an active ingredient for disinfectant formulations. The recommended dosages to ensure disinfectant action range from 1.0 to 3.0%. These values can be adjusted by diluting the desired final formulation.

To preserve household cleaning formulations, such as cleaners, liquid waxes, disinfectants and softeners, among others, our laboratories will be able to run studies in order to determine the best dosage for your specific need.

## IPEL® BHD-235

### Registration / Approval / Recommendation

Up-to-date information on the registration status, approvals and recommendations of our products can be obtained from our Regulatory Affairs Department.

### Precautions

IPEL® BHD-235 is a liquid classified as corrosive. Contact with the skin should be avoided and care should be taken so that the liquid does not splash. The precautions normally recommended for handling chemicals, such as the use of safety glasses, suitable protective clothing, protective gloves and impervious boots, should be observed. If the product comes in contact with the skin, the affected area should be washed with plenty of soap and water; splashes in the eyes should be rinsed immediately with plenty of water. If irritation persists, seek medical attention. Contaminated clothing should be changed immediately.

Eating, drinking and smoking should be prohibited during work. Do not inhale product fumes or vapors. Wash skin thoroughly after handling the product.

**The current safety data sheet should be observed. This contains further information on labelling, transport and storage as well as information on handling, product safety, toxicity and ecology.**

**Use biocides safely. Always read the label and product information before use.**

### Labelling

This product information must be used with currently valid safety data sheet for the product that indicates its labelling in accordance with applicable laws and regulations.

Our technical advice - whether verbal, in writing or by way of trials - is based on the unverified information provided by you to us and given in good faith but without warranty or guarantee, express or implied, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information provided by us - especially that contained in our safety data and technical information sheets - and to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you and / or your customers on the basis of our technical advice are beyond our control and, therefore, entirely your own and / or your customer's responsibility. In addition, our General Conditions of Sale and Delivery apply.

IPEL - Itibanyl Produtos Especiais Ltda.  
A Company of the LANXESS Group  
Rod. Edgard Máximo Zambotto  
Km 72,5  
13240-000 Jarinu SP  
Mail Box 049  
Brazil  
[www.protectedbylanxess.com](http://www.protectedbylanxess.com)

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