

QUALITY PROTECTS.



Microbial control

for detergents, softeners, cleaners,
disinfectants and other household
formulations

X IPEL®

QUALITY WORKS.

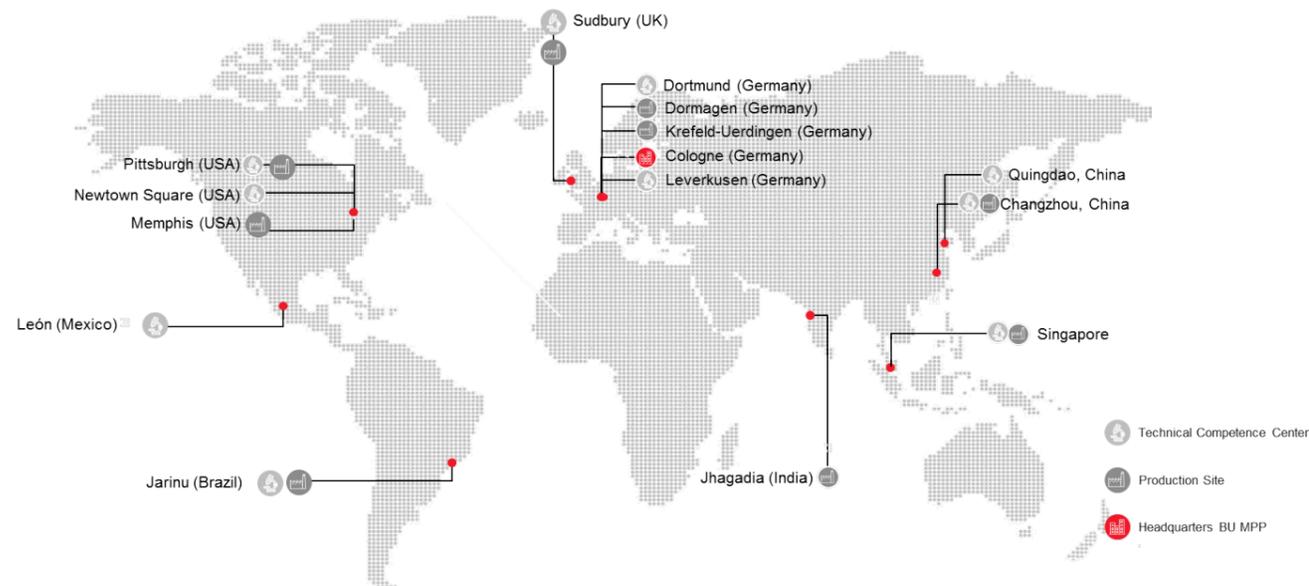
LANXESS
Energizing Chemistry

ABOUT LANXESS MATERIAL PROTECTION PRODUCTS (MPP)



LANXESS Material Protection Products is a worldwide leading manufacturer of biocidal active ingredients and formulations. We offer a wide range of products for many different applications such as paint and coatings, wood protection, disinfection, and many other industrial applications. In 2020, we acquired IPEL, a South American market leader in biocides. With this acquisition, the MPP - Material Protection Products Business Unit expanded its operations to the South American market.

In order to fully satisfy our customers' needs, we continually invest in the research and development of innovative products. Quality products combined with outstanding technical support and high regulatory expertise – that's what distinguishes LANXESS Material Protection Products.



COMPREHENSIVE SERVICE SOLUTIONS FOR THE SOUTH AMERICAN MARKET



BIOTEC

MICROBIOLOGICAL TESTING

With Biotec, we offer several types of microbiological tests, as well as methods for improved detection, isolation and removal of industrial contamination, taking into consideration the different characteristics of each market segment. Biotec provides services to existing customers using our products and companies requiring access to microbiological testing.

PROSSEG

SAFETY TRAINING PROGRAM

Prosseg training programs help to identify and train the best ways to act safely during any emergency when handling biocides. Our programs cover all aspects of health, safety and environment protection, to enable the safe and responsible handling and use of products.

SIADI

AUTOMATED BIOCIDAL DOSING SYSTEMS

Siadi covers evaluation and partnership on development of projects and systems for the automation of biocide dosing systems. This program aims to improve operational safety, accuracy and productivity. Projects are customized according to each case. Distinct levels of projects, from a simple container system to total dosing automation systems are available.

BIOCONTROLE

TOTAL MANAGEMENT OF MICROBIOLOGICAL QUALITY

Biocontrole is a modular program which may include monitoring of manufacturing processes, finished products, raw materials, detection of critical points and definition of plant hygiene programs, among others. This is an excellent tool for prevention of microbiological contamination.

SIDEC

PRODUCT CUSTOMIZATION PROGRAM

Sidec offers customization of products for customers' specific needs, in order to obtain the best possible solution in microbiological preservation. This service answers the specific needs of new applications or special use conditions and restrictions that are not provided by regular product ranges. This work may be performed under secrecy agreement and exclusivity of use.

SISPI

PROFESSIONAL SANITIZING PROGRAM

With the SISPI program LANXESS offers complete support in cleaning and sanitizing industrial plants. All the procedures are followed and oriented by a technical team of chemists and biologists using specific equipment for the application of sanitizer products. This ensures the best sanitizing performance for industrial tanks, valves and pipelines. This program offers our customers sustainable and efficient sanitizing, avoids waste and ensures high efficacy through the use of onsite specific microbiological tests.

BIOLAMINOTESTE MICROBIOLOGICAL CONTROL IN YOUR HANDS



Microbiological control kits enable companies to conduct the self monitoring of microbial population in water, equipment, raw materials, finished products and processes, without the need to keep a complex laboratorial structure.

BIOLAMINOTESTE

This simple device was especially developed to enable companies to detect microbiological contamination over surfaces, equipment, utensils, raw materials and finished products. The device contains two different specific culture media capable to detect and count the most common microorganisms found in industrial processes. Side 1 indicates total heterotrophic bacteria and side 2 indicates the amount of yeast and fungi. Results can be observed after 2 or 3 days.



BIOLAMINOTESTE W

Developed for the detection of coliform bacteria in water systems, this device contains two different culture media. Side 1 indicates the amount of heterotrophic bacteria and side 2 indicates the amount of coliform bacteria (e.g. klebsiella, escherichia). Coliform presence works as a microbiological indicator parameter to evaluate water quality.

SRB TESTE

This kit has been especially developed for the detection of Sulphate Reducing Bacteria (SRB). The darkening of the culture media or the appearance of black precipitate around the swab indicates the presence of such bacteria. These are anaerobic bacteria and due to the diversity of species in this group, the micro-organisms can contaminate several products and surfaces, such as raw materials, finished products, process and cooling water. The SRB are also present in large number in biofilms on the surface of equipments, pipes and utensils.



PRODUCTS INDUSTRIAL SANITIZERS



IPEL® BP 600

This product comes with excellent absorption capacity. It acts on planktonic and sessile micro-organisms with lower reactive potential, higher materials compatibility, broad application spectrum, low toxicity level, easy handling, odorless in usual use concentrations. It can be used in cationic or anionic systems. By using **IPEL® BP 600** for sanitizing resin columns of ion exchange, a significant improvement has been observed in the exchanging capability of the resin, reducing the frequency of resin regeneration. Furthermore, it can be mixed with water which facilitates its dilution before use and its removal during the rinsing process.



IPEL® BP 610

Its balanced composition ensures effective control of micro-organisms in the environment, such as aerobic and anaerobic bacterias (responsible for bad smell, loss of viscosity, corrosion, deterioration in general), fungi, algae and yeasts. The product is easily absorbed, acts on both planktonic as well as sessile micro-organisms, has lower reactive potential, higher material compatibility degree, acts within a wide pH range, is compatible with cationic and anionic systems, has a broad application spectrum, low toxicity level, easy handling, and is odorless in usual use concentrations. **IPEL® BP 610** is suitable for processes where detergent action is required.

IPEL® BP 623

Industrial sanitizer based on halogenated derivative. It is a non-oxidant, with fast kill action, and has a broad application range. It controls the biofilm and is easy to handle. Compatible with cationic, non-ionic and anionic systems. Suitable to be used in aqueous systems including water treatment.

IPEL® BP 630

Eliminates microorganisms in industrial systems due its fast action and tensoative function. Compatible with cationic and non-ionic systems. Can be used as active ingredient in household disinfectant formulations.

HOUSEHOLD ADDITIVES



Detergents, cleaners, waxes, softeners and other household formulations may suffer microbial contamination if they are not properly preserved. Bad odor, turbidity, pH and viscosity changes are the most common losses.

Product	Description
IPEL® BHD 208	Formaldehyde free formulation. Especially developed for the wet state protection of household products such as detergents, disinfectants, waxes, softeners and cleaners. Its components are in accordance with the new ANVISA (Brazilian Health Authority) regulations. IPEL® BHD 208 is odorless, totally miscible with water and is easily incorporated to the final product. It presents a good cost-benefit ratio.
IPEL® BHD 215	It is a 1.5% aqueous solution of chloro methyl isothiazolinone and methyl isothiazolinone. Recommended for wet state protection of detergents, cleaners and softeners. High efficacy with extreme low toxicity.
IPEL® BHD 218	Wide spectrum action formulation, based on isothiazolinone and halogenated derivatives, matching fast kill and residual action. Indicated for waxes, detergents and cleaners. IPEL® BHD 218 is odorless, stable over a wide range of pH and easily incorporated.
IPEL® BHD 221	BIT solution recommended for microbiological preservation of highly alkaline systems against the microbiological deterioration. The active ingredient is cleared by the FDA to be used in materials that will have indirect food contact. (Chapter 21).
IPEL® BHD 228	Aqueous formulation based on hydantoin and halogenated derivative. Stable under wide range of pH and compatible with non-ionic, anionic and cationic systems. Suitable for detergents, fabric softeners and cleaners preservation. Free of isothiazolinones.
IPEL® BHD 238	80% benzalkonium chloride aqueous solution. It can be used as a germicide agent in disinfectants and cleaners formulations. Easily incorporated, it has low toxicity and excellent surfactant activity. Compatible with cationic and non-ionic systems.
IPEL® BHD 239	Active ingredient based on quaternary ammonium derivative, containing "double 10" combination chains providing high microbiological effectiveness, wide spectrum of activity. Indicated for household formulations and institutional disinfectants.
IPEL® BHD 240	Disinfectant active ingredient developed for household formulations, such as polishers, detergents and softeners, adding a new antimicrobial functionality to the final products. The product can also be used as a bactericide active in disinfectants formulations without creating foam. Compatible with cationic, ionic and non-ionic systems.
IPEL® BHD 250	Guanidine hydrochloride aqueous solution. Low toxicity product recommended as germicide and disinfection agent for surfaces. Wide spectrum against bacteria, virus, parasites, fungi, molds and yeasts.
IPEL® BHD 254	Wide spectrum bactericide active ingredient developed for disinfectant formulations. Compatible with cationic, ionic and non-ionic systems. IPEL® BHD 254 is also indicated as an active ingredient in detergents, and cleaners. IPEL® BHD 254 also provides antibacterial function to the final product.
IPEL® BHD 259	Halogenated compounds and isothiazolinones combined in a synergistic formulation developed for the preservation of household products with anionic and non-ionic characteristics. Stable at high pH and free of APEO compounds.
IPEL® BHD 263	Wide spectrum bactericide formulation based on compounds with activated halogen atoms and isothiazolinones, developed for the microbiological preservation of softeners. Recommended for product softeners based on quats and/or cetostearyl alcohol. Stable in a wide range of pH and free of APEO.
IPEL® BHD 264	Wide spectrum preservative based on halogenated compounds and isothiazolinones with excellent cost benefit ratio. It is adequate for all kinds of household product formulations. Stable at pHs until 10.0 and free of APEO.

PRODUCT SELECTION GUIDE



Product	Presentation	Detergent	Liquid, Waxes and Cleaners	Disinfectants	Softeners	Antimicrobial
IPEL® BHD 208	Liquid	●	●	●		
IPEL® BHD 215	Liquid	●	●	●		
IPEL® BHD 218	Liquid	●	●			
IPEL® BHD 221	Liquid	●	●	●	●	
IPEL® BHD 228	Liquid	●	●	●	●	
IPEL® BHD 238	Liquid		●	●	●	●
IPEL® BHD 239	Liquid			●	●	●
IPEL® BHD 240	Liquid	●	●	●	●	●
IPEL® BHD 250	Liquid			●		
IPEL® BHD 254	Liquid	●	●	●	●	●
IPEL® BHD 259	Liquid	●	●	●	●	
IPEL® BHD 263	Liquid	●	●	●	●	
IPEL® BHD 264	Liquid	●	●	●	●	





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