



indusdx® product information sheet

Indusdx® is a biodegradable disinfectant that rapidly and effectively eliminates all pathogens tested.

Indusdx® is a product that is used in manufacturer's formulations such as a disinfectant, detergent or preservatives for degreasers, paints and coatings. It is a cost-effective and environmentally responsible option for companies of repute.

disinfectant for industrial applications and formulations

advantages

- Concentrated
- Cost-effective
- Can be used cold
- Readily biodegradable
- Low-toxicity and non-mutagenic
- Corrosion inhibitor (non-corrosive to metals)
- No rinse required in certain applications
- Non-corrosive to surfaces at the prescribed dosage
- Supports environmental sustainability
- Opportunities for goodwill and publicity
- Conforms to food grade specifications (SABS)
- Contains no chlorine, ethanol or aldehydes and NCRS requirements
- Reduces mold and yeast levels
- Disrupts biofilm
- Contains no heavy metals



site of application examples

- Hard surface disinfectant
- Active ingredient for industrial chemicals
- In-can preservative for use in products such as coatings, inks, polymers and adhesives
- Anti-bacterial additive for soaps and cleaning chemicals
- Formulations for clean in place (CIP) applications for tanks, pipelines and valves
- Pulp and paper microbial control

industry applications

- Food
- Industrial chemicals
- Chemical formulations
- Health
- Hospitality
- Retail
- Packaging

certifications

- SANS 636:2013: 10509/16606
- SANS 1853:2009: 10509/16608
- NRCS Act 5 GNR 529/263515/040/0828



results from a brewery site test:



Flange before application of Indusdx®.



Flange 5 minutes after Indusdx® treatment.

typical formulations

Indusdx® as a paint/coating preservative:

Over a three-year test period, Indusdx® as a preservative in formulated paint/coatings at less than 0.5%, completely inhibited bacterial growth, preserving the paint's integrity. The samples showed a total bacterial count/ml of 0 cfu [Colony Forming Units] per cm.

Indusdx® in formulation for surface disinfection:

Mix Indusdx® to 400 ppm by the addition of water [1:500 Indusdx®: Water] 400 ppm active will kill surface bacteria as stipulated in SANS 636. The addition of colourants, fragrances and other chemicals must adhere to the requirements that the additives must be non-ionic in nature. Formulations of this kind can be used in food preparation areas, bathrooms and warehouses.



Indusdx® in formulation for combined surface disinfection and cleaning:

Mix Indusdx® to 400 ppm by the addition of water. 400 ppm active will kill surface bacteria as stipulated in SANS 636. Add a suitable surfactant from the non-ionic type like polysorbates, 1-2 % w/w should suffice. Colourants and fragrances can be added as needed. The addition of colourants, fragrances and other chemicals must adhere to the requirements that the additives must be non-ionic in nature.

Formulations of this kind can be used in food preparation areas, bathrooms and warehouses where both disinfection and cleaning is required.

Indusdx® in formulation for general water-based preservative applications:

Indusdx® can be used as a preservative in any [excluding food and cosmetic applications] water based formulation that needs to be preserved. Based on bacterial load of the original liquids and the desired shelf-life 0.1-0.5% of Indusdx® can be used. The water based formulation must not contain any anionic chemical components.

