



Accelerated Hydrogen Peroxide® (AHP®) versus Chlorhexidine Diacetate

AHP® removes the need to compromise between efficacy and safety by providing a balance between killing a broad spectrum of pathogens while remaining gentle for users, animals, materials and the environment.

- AHP® is essentially non-toxic and non-irritating (in use solution) and does not require the use of Personal Protective Equipment (PPE), giving assurance that animal and human health will not be jeopardized
- AHP® is proven effective in a soil challenge and does not require pre-cleaning in order to remain active, saving time and money in environments that require quick turnover
- AHP® is biodegradable. Hydrogen Peroxide breaks down into water and oxygen reducing environmental impact

KEY PRODUCT CHARACTERISTICS:

Unlike Chlorhexidine Diacetate, AHP® is non-toxic or non-irritating at the in-use dilution protecting users from adverse health effects. AHP® offers a greater spectrum of efficacy against pathogens of concern in realistic contact times, ideal for environments that require quick turnover

| | Accelerated Hydrogen Peroxide® | Chlorhexidine Diacetate |
|-----------------------------|---|-------------------------|
| Active Ingredient | 0.5%-4.25% Hydrogen Peroxide | 2% |
| In Use Concentration | 330 ppm – 5000ppm | 175ppm to 5000ppm |
| Shelf Life | 2 - 3 Years (Concentrate or Ready to Use) 30 - 90 Days Diluted | Not available |

CLEANING EFFECTIVENESS:

AHP® utilizes both anionic and non-ionic surfactants within its formulation. Anionic surfactants have superior cleaning abilities as the electrical charge of anionic surfactants interacts better with soil particles allowing for easier removal. In addition, non-ionic surfactants help in preventing redeposition of soils that have been lifted off the surface.

| | Accelerated Hydrogen Peroxide® | Chlorhexidine Diacetate |
|-----------------------------|--------------------------------|-------------------------|
| Contains Surfactants | Yes (anionic and non-ionic) | No |

EFFICACY PROFILE:

AHP® is proven to deliver superior kill performance; contact times are two times faster which ensures compliance that disinfection has been achieved. AHP® products have been proven effective against a broad-spectrum of pathogens, giving you confidence that your facility is protected against pathogens of concern.





| | Accelerated Hydrogen Peroxide® | Chlorhexidine Diacetate |
|---------------------------------|--------------------------------|-------------------------|
| Broad-Spectrum Sanitizer | Yes 30 seconds – 3 minutes | No |
| Bactericidal | Yes 1 minute - 5 minutes | Yes 10 minutes |
| Enveloped Viruses | Yes 30 seconds - 5 minutes | Yes 10 minutes |
| Non-Enveloped Viruses | Yes 30 seconds - 5 minutes | Yes 10 minutes |
| Fungi | Yes 30 seconds - 5 minutes | No |

TOXICITY PROFILE:

AHP® formulations have proven to be essentially non-toxic and non-irritating (in use solution) which gives assurance that animal and human health will not be jeopardized.

| | Accelerated Hydrogen Peroxide® | Chlorhexidine Diacetate |
|--|---------------------------------|-----------------------------------|
| Personal Protective Clothing | In Use: PPE Not Required | In Use: Goggles and Gloves |
| Essentially Non-Irritating to Eye at the Use Dilution | Yes | No |
| Essentially Non-Irritating to Skin at the Use Dilution | Yes | Yes |
| Lowest EPA Inhalation Toxicity Rating at the Use Dilution | Yes | No |

ENVIRONMENTAL PROFILE:

The active ingredient in all AHP® formulations are biodegradable, as hydrogen peroxide breaks down into water and oxygen reducing environmental impact and improving the environment for animals and those who care for them.

| | Accelerated Hydrogen Peroxide® | Chlorhexidine Diacetate |
|----------------------------------|--------------------------------|-------------------------|
| VOC Free | Yes | No |
| Environmentally Preferred | Yes | No |