



## Accelerated Hydrogen Peroxide® (AHP®) versus Chlorine Dioxide

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® offers ease of use as it does not require activation prior to use.
- 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 essentially non-toxic and non-irritating (in use solution) and does not require the use of Personal Protective Equipment, giving assurance that animal and human health will not be jeopardized

**KEY PRODUCT CHARACTERISTICS:**

Unlike Chlorine Dioxide, AHP® does not require activation before use nor does it require pre-cleaning saving time which leads to faster results and lower costs. Furthermore, AHP® has a long shelf life ensuring that product is not wasted.

	Accelerated Hydrogen Peroxide®	Chlorine Dioxide
<i><b>Ease of Dilution</b></i>	Does not require activation	Two part system that requires activation- Base: water: activator)
<i><b>Shelf Life</b></i>	2 - 3 Years (Concentrate or Ready to Use) 30 - 90 Days Diluted	24 Hours to 14 Days

**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®	Chlorine Dioxide
<i><b>Contains Surfactants</b></i>	Yes (anionic and non-ionic)	No

**EFFICACY PROFILE:**

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®	Chlorine Dioxide
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<b>Broad-Spectrum Sanitizer</b>	Yes 30 seconds – 3 minutes	No
<b>Bactericidal</b>	Yes 1 minute - 5 minutes	Yes 5 minutes
<b>Enveloped Viruses</b>	Yes 30 seconds - 5 minutes	Yes 5 minutes
<b>Non-Enveloped Viruses</b>	Yes 30 seconds - 5 minutes	Yes 5 minutes
<b>Fungi</b>	Yes 30 seconds - 5 minutes	Yes 5 minutes

**TOXICITY PROFILE:**

AHP<sup>®</sup> 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.

	<b>Accelerated Hydrogen Peroxide<sup>®</sup></b>	<b>Chlorine Dioxide</b>
<b>Personal Protective Clothing</b>	<b>In Use: PPE Not Required</b>	<b>In Use: Goggles and Gloves</b>
<b>Essentially Non-Irritating to Eye at the Use Dilution</b>	Yes	No (Category III: Causes moderate eye irritation)
<b>Essentially Non-Irritating to Skin at the Use Dilution</b>	Yes	Yes
<b>Lowest EPA Inhalation Toxicity Rating at the Use Dilution</b>	Yes	Yes

**ENVIRONMENTAL PROFILE:**

AHP<sup>®</sup> formulations are inherently biodegradable, hydrogen peroxide breaks down into water and oxygen reducing environmental impact and improving the environment for animals and those who care for them.

	<b>Accelerated Hydrogen Peroxide<sup>®</sup></b>	<b>Chlorine Dioxide</b>
<b>VOC Free</b>	Yes	Yes
<b>Environmentally Preferred</b>	Yes	Yes