

Accelerated Hydrogen Peroxide[®] (AHP[®]) versus Potassium Peroxymonosulfate

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[®] provides contact times that are two times faster providing confidence that disinfection has been achieved
- AHP[®] is biodegradable. Hydrogen Peroxide breaks down into water and oxygen reducing environmental impact

KEY PRODUCT CHARACTERISTICS:

Unlike Potassium Peroxymonosulfate, 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 [®]	Potassium Peroxymonosulfate
Active Ingredient	0.5%-4.25% Hydrogen Peroxide	21.41%
In Use Concentration	300ppm to 5000ppm	1000ppm – 4300ppm
Shelf Life	2 - 3 Years (Concentrate or Ready to Use) 30 - 90 Days Diluted	7 Days Diluted

CLEANING EFFECTIVENESS:

AHP[®] utilizes both anionic and non-ionic surfactants within its formulation. Anionic surfactants have superior cleaning abilities in comparison to cationic surfactants as the electrical charge of anionic surfactants interact 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 [®]	Potassium Peroxymonosulfate
Contains Surfactants	Yes (anionic and non-ionic)	Yes (cationic)

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®	Potassium Peroxymonosulfate
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	Yes 10 minutes

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®	Potassium Peroxymonosulfate
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	No
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®	Potassium Peroxymonosulfate
VOC Free	Yes	Yes
Environmentally Preferred	Yes	No