

ProPhorce™ AC 600

The safer formic acid*



Feed additive that gives key benefits

- ➔ Less corrosive than formic acid
- ➔ Has nutritional value
- ➔ Inhibits growth of pathogenic bacteria
- ➔ No ADR restrictions on transport and storage
- ➔ Equally effective as formic acid

* compared to pure formic acid

The safer formic acid*

ProPhorce™ AC 600 is formic acid that can be handled with minimal risk. It is formic acid buffered with sodium formate which can be used in feed and drinking water for piglets, pigs, sows, broilers, and layers.

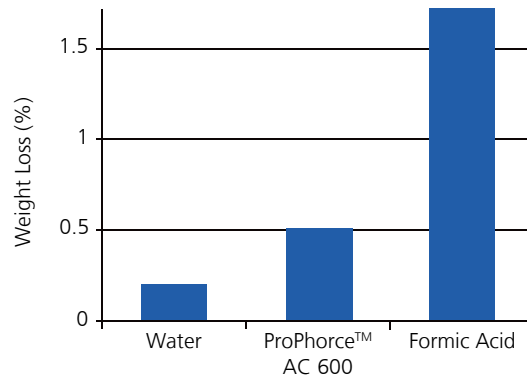
ProPhorce™ AC 600:

- ➔ is equally effective as formic acid
- ➔ is far less dangerous and corrosive to man and equipment than formic acid
- ➔ has an antibacterial effect
- ➔ has no ADR restrictions on transport and storage

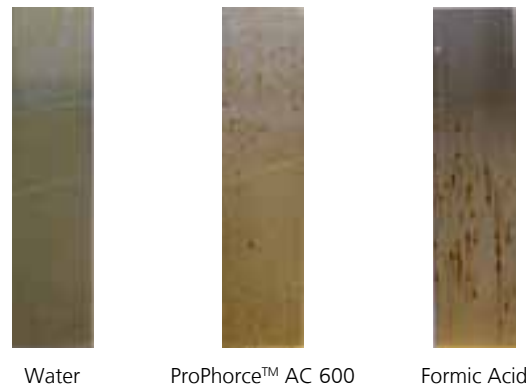
Same advantages, less corrosivity

Buffering formic acid with sodium formate gives benefits on transport, nutritional value, safety and corrosion.

The evaporation, corrosion and the pungent smell of organic acids are significantly reduced by the buffering in ProPhorce™ AC 600. This makes it a very user friendly and easy to use product. There are no restrictions on transport, storage or application, contrary to unbuffered organic acids.



Corrosivity of ProPhorce™ AC 600 on steel strips submerged in the liquid, measured as weight loss. This trial shows that ProPhorce™ AC 600 is far less corrosive than formic acid and therefore safer to use. It is safer for equipment and machinery as well as for the people handling it. (PRW 0783)



Corrosivity of ProPhorce™ AC 600 on steel strips submerged in the liquid, measured as weight loss.



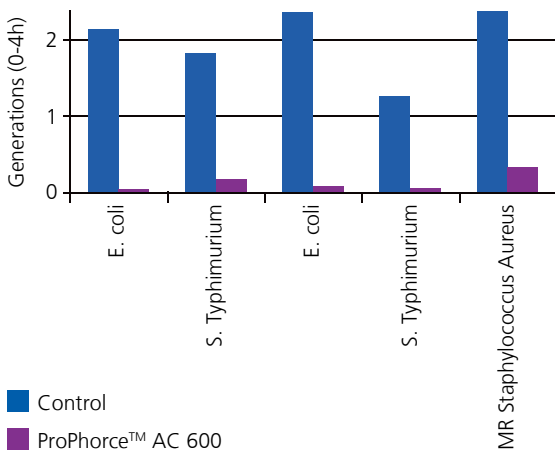
* compared to pure formic acid

Buffering with sodium formate makes ProPhorce™ AC 600 far less corrosive than straight formic acid, while it maintains the same strong antibacterial properties.

Antibacterial effect

ProPhorce™ AC 600 increases feed hygiene without harming your equipment. It has a strong antibacterial effect against pathogenic bacteria such as:

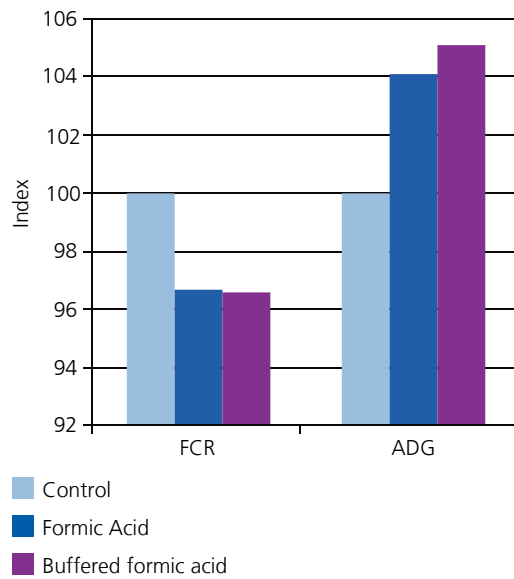
- ➔ E. coli
- ➔ Salmonella
- ➔ Staphylococcus



Antibacterial effect of ProPhorce™ AC 600, shown in independent experiments at pH 6. (CCL, 2009 and 2010)

In practice

Formic acid has shown to improve Feed Conversion Ratio and Average Daily Growth (Mroz & Partanen, 1999). Buffered formic acid has been compared to formic acid on these variables and proved equally effective as straight formic acid.



Results of a meta-analysis in which buffered formic acid was compared with formic acid in weaned piglets. (Schothorst Feed Research 2005-2010)

* = Values of formic acid and buffered formic acid differ significantly $P < 0.05$ from the control





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The Perstorp Group is the world leader in several sectors of the specialty chemicals market. Few chemical companies in the world can rival its 130 years of success. Today we have a rich performance culture distilled from our long history and extensive knowledge in the chemical industry. That culture and knowledge base enables us to produce Winning Formulas for a wide variety of industries and applications.

Our products are used in the aerospace, marine, coatings, chemicals, plastics, engineering and construction industries. They can also be found in automotive, agricultural feed, food, packaging, textile, paper and electronics applications.

Our production plants are strategically located in Europe, North America and Asia and are supplemented by sales offices in all major markets. We can offer you speedy regional support and a flexible attitude to suit your business needs.

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