



## B-SAL

**Anti-bacterial synergistic dry Acid Mixture: Kills off Gram negative Bacteria, e.g. Salmonella & E-Coli. Controlling bacteria levels in feed and raw materials mold inhibitor.**

### Composition:

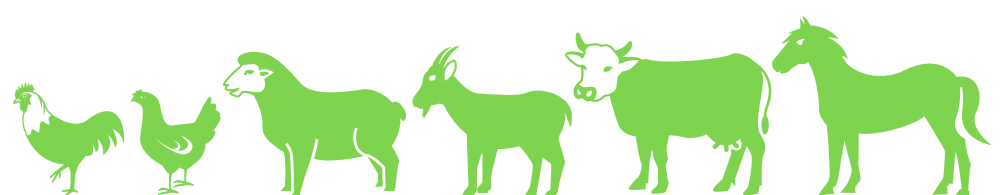
Synergistic dry acid mixture containing:

Formic Acid (99%)	Min. 41.0 %
Propionic Acid (99%)	Min. 10.5 %
Citric Acid (99%)	Min. 13.0 %
Orthophosphoric Acid (99%)	Min. 4.3 %
Calcium	Min. 23.0 % (Digestible)

### Problem

Salmonellosis is a bacterial disease caused by strains of the Salmonella bacteria. Salmonella-contaminated feed can cause illness in animals that consume the feed. This disease can cause significant losses which is a real cost to the farmer. Mortality may be high, especially in young animals, but mostly there are no clinical signs.

The presence of Salmonella in animal products (meat and eggs) is an important cause of foodborne disease in humans throughout the world.



## **Solution:**

Organic acids are low chain (smaller) fatty acids and have been used for more than 50 years to reduce bacterial growth and mold in feedstuffs and thus preserve hygienic quality. As antimicrobial agents, organic acids function in two distinct ways:

When an acid is in a un-dissociated form it can penetrate the bacterial cell wall and dissociate/ disrupt the normal actions within the cell, finally killing the pathogen.

Acidification is a way to prevent bacterial growth and to improve nutrient digestibility. This can be especially beneficial for young animals, when the gastric acid secretion capacity of the stomach is often insufficiently developed. Low stomach pH can inhibit pathogen growth and optimize pepsin activity.

## **General notes:**

Product quality can only be guaranteed with adequate storage. Close packaging firmly after use. For optimal storage, it is advised to keep the product in a cool and dry place, protected from direct sunlight.

## **Administration:**

3-10 kg/ton in compound feed depending on bacteria contamination.

5-20 kg/ton in raw materials, depending on bacteria contamination.

## **Presentaion:**

25 kg multilayer paper bag with PE inner liner.