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Luprosil® Salt

A stable mold inhibitor for feed preservation









The problem of mold and mycotoxicosis in livestock production

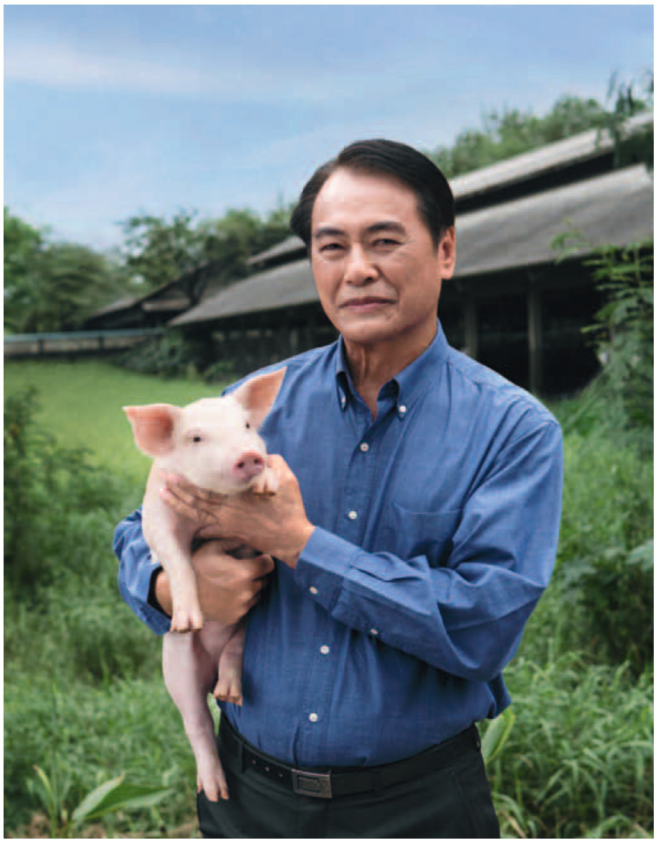
There is not one completely harmless mold. All molds and mycotoxins may be actually or potentially harmful to feeds and animals. This can mean spoilage of feeds and, in extreme cases, mycotoxicosis.

The problem of aflatoxin and other mycotoxins in corn and other feedstuffs is one of the most serious and chronic problems confronting agriculture and the livestock and poultry industry all over the world. Levels of contamination vary from year to year due to weather conditions, and other physiological stress while the corn is in the field. Improper drying and storage of the grain once it has been harvested frequently adds to the problem.



For this reason, mold inhibition is an essential process in feed manufacturing and storage. Organic acids have become essential additives in the feed manufacturing industry, especially in hot and humid environment, to safeguard the quality of the compound feed.

BASF offers a range of high-quality and efficient organic acid products suitable for feed preservation.



Luprosil® Salt - Stable mold inhibitor in powder form

Product description:

Luprosil® Salt is a stable, dry, free flowing, easy to handle, user friendly, non-corrosive and odorless mold inhibitor. Luprosil® Salt is an almost-white powder widely used for feed preservation.



Advantages of Luprosil® Salt:

- Effective and long-lasting protection against broad spectrum molds
- High purity > 98% calcium propionate
- Non-corrosive, odorless and non-volatile
- Safe to use and easy to handle
- Excellent flowability
- Product shelf life (3 years from date of production)

Luprosil® Salt is produced under the ISO 9001 Quality System and has passed FAMI-QS Certification. It is packed in highly durable paper-plastic composite bags, ensuring safe and reliable storage and transportation.



Minimum dosage recommendations (kg / ton)

Moisture content of the feed (%)	Favorable conditions[1]	Unfavorable conditions[2]
< 12	0.5	1.00
12	1.00	2.00
13	1.35	2.70
14	1.70	3.35
15	2.00	4.00
> 16	*	*

[1] short storage period (up to 4 weeks), small temperature difference between day and night, low relative humidity (<60%), low initial microbial content.

[2] longer storage period (up to 3 months), large temperature differences between day and night, high relative humidity (>60%), higher initial microbial content.

*Not suitable due to high moisture content of feed

Estimated energy

Lactating Dairy Cows (MJ NEL / kg)	11.3
Beef Cattle (MJ ME / kg)	14.0
Poultry (MJ ME / kg)	16.0
Swine (MJ ME / kg)	16.0
Swine (MJ DE / kg)	17.0

1 MJ = 239 kcal

Active ingredient:

Calcium Propionate

Specification:

At least 98% Calcium Propionate

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Other chemical and physical data:

Appearance	Fine, almost white, virtually odorless, free flowing powder
Loss on drying	No more than 3%
Formulation	Powder
Bulk density	approximately 500kg / m^3
Granularity	90% <300µm
pH	8-10 (10% solution in water)
Solubility	1 g product gives almost clear solution in 4 ml of water
Shelf life	36 months
Applicable scope	All feeds for poultry, swine, aquaculture, ruminants and pets

Notes
1. Luprosil Salt® dust may cause mild irritation to the mucous membrane and direct inhalation should be avoided in the use of the product;
2. Unopened packages of Luprosil® Salt products should be stored in a dry place; products in opened packages should be kept away from moisture and should be used as soon as possible.

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