

## ANTIMOLD, NON-CORROSIVE

### Directions for use:

#### Main components

Formic acid, CAS No. 64-18-6

Propionic acid, CAS No. 79-09-4

Sodium hydroxide, CAS No. 1310-73-2

**MOLDPRO™** is a combination of propionic acid and formic acid buffered with sodium hydroxide formulated to control molds in cereals, compound feed and feedstuffs.

**MOLDPRO™** has the same anti-fungal efficacy as pure propionic acid, but is more user-friendly and significantly less corrosive.

#### General function:

Mold contamination always reduces the nutritive value of feedstuffs by breaking down nutrients and affecting palatability. Some molds produce mycotoxins that have severe detrimental effects on animal productivity or are hazardous to animal and human health. It is estimated that approximately 25% of the world's cereals are contaminated with known mycotoxins. Mold growth and thus the formation of mycotoxins is intensified by high temperature and moisture levels in the presence of oxygen. Propionic acid and sodium formate prevent mold growth and thus the formation of mycotoxins. The undissociated form of the acid penetrates the cell wall and disrupts the carbohydrate metabolism and DNA synthesis of the micro-organisms.

#### Special Advantages:

- Prevents feed spoilage and nutrient losses.
- Prevents mold growth.
- Prevents toxin build-up.
- Propionic acid and has energy value.
- Reduced corrosivity - plastic couplings can be used.
- User-friendly.

#### Chemical and Physical Properties:

Appearance Liquid | PH 5.0 | Density: 0.072 lb/ft3

#### Trials:

Trials done with **MOLDPRO™** have shown high effectivity for the control of most of commonly found mold in cereals and complete feeds: Fusarium, Aspergillus, Penicillium, etc.

## Recommended Dosage for MOLDPRO™ (lb/ton) depending on the desired storage time:

Moisture (%)	Storage time (months)				
	1	1-3	3-6	6-9	9-12
≤ 14	4.6	6.8	9	9.9	9.9
15-16	5.5	6.4	11.6	15	15.6
17-18	6.8	8.8	11.2	15	16.3
19-20	8.6	11.2	14.1	15.9	19.4
21-22	4.3	5.4	6.8	7.4	8.9
23-24	9	13.2	15.9	19.2	20.3
25-26	11	15.4	18	20.9	23.1
27-28	13.2	25.6	29.7	31.7	32.6

- Add 10% more to the recommended dosis in un-pelleted feeds.
- Do not dosificate lower than recommended dosis, as low concentration of propionic acid can be energy sources and accelerate microbiological growth.
- Do not ventilate or move the preserved feed during storage.

### Preservation of complete feeds and concentrates:

4.4 - 11 lb of MOLDPRO™ per metric ton of feed to avoid recontamination.

### Packaging, Handling and Storage:

Available in 440 lb drums, 2200 lb IBC and bulk. For handling instructions, see Safety Data Sheet.

**Can be stored up to 2 years under normal conditions.**