



Product Data Sheet

Eastman™ Propcorn NC

Product Description

Complementary feed for pigs, poultry, ruminants and horses

Eastman Propcorn NC is a non-corrosive propionic acid-based product for aerobic preservation and for improved aerobic stability of crimped feeds and haylage.

Eastman Propcorn NC resulted moderate irritant to the skin in the OECD 404 Test Guideline. The buffering of the product enables reduction of metal corrosion compared to non-buffered products. Therefore, Eastman Propcorn NC is safer to handle by the user and can be transported as non-ADR.

Propionic acid, both fungicidal and fungistatic, is effective against both yeasts and moulds.⁽¹⁾ Being a non-corrosive product, Eastman Propcorn NC is still strong enough to lower the pH because of the substantial presence of free propionic acid ($72.6 \pm 2\%$) in the product. Eastman Propcorn NC is a concentrated product with a high concentration of active ingredient (max. 9% water).

Eastman Propcorn NC has shown to improve hygienic quality and aerobic stability of crimped grain with a moisture content of 18-30%.^(2,3) Treated crimped grain also improves the aerobic stability of TMR (total mixed ratio).⁽²⁾

Horses prefer haylage ensiled with Eastman Propcorn NC when they had the choice between treated and non-treated haylage.⁽⁴⁾ Haylage treated with Eastman Propcorn NC has better hygienic quality than non-treated haylage.⁽⁴⁾

Ingredients: propionic acid, ammonium propionate, glycerine, propylene glycol.

Appearance: slightly yellow liquid.

Animal species: ruminants, pigs, poultry and horses.

Analytical constituents: crude protein 20.5%, crude oils and fats 0%, crude ash 0%, crude fibre 0%, Lysine 0%, Methionine 0%, sodium 0%.

Application recommendation for preserving moist grain:

Preservation time 3–12 months

Moisture, %	Application, litres/ton
< 16	6.8
16 - 18	8.0
18 - 20	9.5
20 - 22	10.5
22 - 24	12

Increase application by 0.5–1.5 litres/ton if the grain is crimped prior to preservation.

For peas, beans and rape seed increase application rate by 1–3 l/ton.

Application recommendation for crimped grain ensiled in an airtight silo well compacted and covered with plastic:

Moisture, %	Application, litres/ton
16 - 18	3.5
18 - 30	5

When peas or beans are ensiled increase application by 1 l/ton.

Application recommendation for haylage:

For improving aerobic stability of ensiled hay: application level 5–8 l/ton. When moisture concentration is above 16%, airtight wrapping is needed to ensure the high quality.

Eastman Propcorn NC should not be mixed with water or other chemicals. Simultaneous use with other sources of propionic acid or ammonium propionate shall not exceed the maximum authorised content. The simultaneous use of other organic acids at the maximum permitted doses is contraindicated. Eastman Propcorn NC shall be used in easy to ensile material.

Packaging

Bulk
IBC 1000 l (1200 kg)
Drums 200 l (240 kg)
Cans 30 l (36 kg)

Storage

Stable for 24 months from date of manufacture when stored in closed packaging or containers at room temperature. Physical stability may change before end of shelf life if not stored under cool, dry and well-ventilated conditions.

Handling Precautions

Safety precautions:

Please see the Safety Data Sheet and label before handling the material.

For users of the additive and premixtures, feed business operators shall establish operational procedures and organizational measures to address potential risks resulting from its use. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment, including breathing protection, safety glasses and gloves.

Handling and transport:

Breathing protection, eye protection, gloves and protective clothing shall be used during handling.

Handle the plastic containers with care.

Certification:

This product is produced and delivered under the scope of FAMI-QS/GMP+.

This product is produced in Finland/The Netherlands.

[1-4] References at request.

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