VERSAPEG

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Water Soluble Nutritional Emulsifier

Enhancing Fat Digestibility and Energy Efficiency in Animal Feed

What is **VERSAPEG?**

VERSAPEG is a premium, non-ionic nutritional emulsifier in powder form, made with **polyoxyethylene glycol-glyceryl ricinoleate (E484)**. It is s characterized by its high lipophilic nature, making it an excellent emulsifier for fats and oils in feed. The high HLB value allows for effective stabilization of emulsified fats in dry feed and premixes to enhance fat digestibility, improve energy efficiency, reducing the energy cost of the feed and optimize overall feed performance for livestock, poultry and fish.

> Quality You Can Trust, Prices You Can Afford!

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The Importance of **Energy in Animal Diets**

Energy is a major cost contributor in diet formulation for high-performing animals. Due to their high energy density, animal fats and vegetable oils are essential energy sources in feed. Improving the energy efficiency of these raw materials is critically important for optimizing feed costs.

Benefits of E484 in **Enhancing Energy Efficiency**

Enhanced Fat Digestibility

E484 significantly improves the emulsification of fats, leading to better breakdown and absorption in the gastrointestinal tract. This enhanced digestibility directly translates to improved energy efficiency.

Boosted Nutrient Absorption

By promoting the absorption of fat-soluble vitamins (A, D, E, and K), E484 ensures that high-performing animals receive the essential nutrients needed for optimal growth and health.

Cost-Effective Nutrition

Nutritional emulsifiers like E484 help improve nutrient digestibility, effectively enhancing the energy efficiency of feed while potentially reducing feed costs.

Hydrophilic-Lipophilic Balance (HLB)

The optimal HLB value of E484 allows it to function effectively as an emulsifier, promoting the stability of emulsified fats and oils in the feed. This balance ensures that the emulsifier can interact favorably with both water and fat, enhancing overall feed formulation and digestibility.

VERSAPEG –Elevating Fat Digestibility and Energy Efficiency for Enhanced Animal Performance!

Nutrition

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How **VERSAPEG Works**

Efficient Emulsification

E484's unique structure allows it to stabilize fat emulsions, making fats more accessible for digestion and improving palatability.

Compatibility with Feed Ingredients

VersaPEG integrates seamlessly with various feed components, enhancing overall formulation stability without compromising flavor or texture.

Ease of Incorporation

The powdered format allows for simple mixing into existing feed formulations, streamlining production processes for feed manufacturers.

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"...making fats more accessible for digestion and improving palatability..."

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Application **Guidelines**

Dosage Recommendations

The dosage recommendation for **E484 (polyoxyethylene glycol-glyceryl ricinoleate)** emulsifier in animal feed can vary based on specific formulations, the type of animal being fed and the age of animal. However, a general guideline for VersaPEG is typically 0,250 – 1 kg per ton feed.

Storage Instructions

Store in a cool, dry place to preserve product efficacy.

Versatile Use

VERSAPEG can be included in a wide range of feed formulations, including complete feeds, supplements, and premixes, to enhance fat digestibility and energy efficiency.

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Emulsifier for Animal Feed

Composition	Emulsifier; Polyoxyethylene glycol-Glyceryl ricinoleate (E484)
Antioxidants	Butylated hydroxyanisole (BHA-1b320)
Carriers	Precipitated Silica (E551a)
Production Date	
Batch Number	
Expiry Date	2 years after product
Dosage	0.250-1 kg/ton of feed or raw material
Use	For application as emulsifier in animal feed, premixes & ingredients
Net Weight	25 kg

DANGER

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