

Emcelle® - Tocopherol

(Available at www.mazuri.com or through a Mazuri® retailer)

Description

Emcelle® -Tocopherol is a clear, micellized, water-dispersible, solution of vitamin E. The product is specially formulated for use in liquid diets, mixed into drinking water or top-dressed onto dry feeds at time of feeding. The product should not be mixed into complete feeds and stored for extended periods of time.

The vitamin E activity is provided as d-alpha-tocopherol, a natural-source and biologically active form of vitamin E. This form of vitamin E, although less stable than tocopheryl-esters, does not have to be hydrolyzed prior to absorption. This seems to be of greater importance to young animals that may have a deficiency of esterase enzyme necessary to cleave the tocopheryl-esters prior to absorption and exotic animals such as the elephant and rhinoceros.

The micellized form also enhances the ability of animals to utilize vitamin E. The micellization process allows the fat-soluble vitamin to be absorbed more readily than dry, oil-based, or emulsion-forms of vitamin E.

This product is alcohol based and will have a strong scent.

Features and Benefits

- **Contains natural vitamin E** - Beneficial for younger animals such as elephants and rhinoceros.
- **Formulated for ease of mixing** - Facilitates incorporation into liquid diets, drinking water or as top-dress on dry feeds at time of feeding.

Product Form

Clear liquid.

- 1 Liter (33.8 fl oz) plastic bottle

Catalog

0010111



Nutrient Composition

Per 1 ml dose.

Vitamin E not less than..... 500 IU

Ingredients

D-alpha-tocopherol (natural source of vitamin E), polyethoxylated castor oil, water, n-propyl alcohol.

Feeding Directions

- This product is designed to be fed at a daily rate of 1-3 IU per lb of body weight (2-6 IU per kg).
 - Example A: a 100 lb animal would require 0.2 to 0.6 ml daily to provide 100 to 300 IU vitamin E activity.
 - Product may be diluted with water immediately prior to feeding.
- The selected dosage should depend upon previous as well as existing feeding and management practices that affect animals' vitamin E status. The most important factors that increase the need for supplemental vitamin E are:
 - Low plasma tocopherol levels (below 0.2 mg per dL),
 - Continual confinement feeding of animals,
 - Feeding poor quality, long stored-roughages,
 - Feeding milk replacers that contain tocopheryl-acetate to young animals, and
 - Feeding high levels of polyunsaturated fatty acids (PUFA's).

Storage Conditions

Store at room temperature or under refrigeration. Avoid freezing and excessive heat. Product is best is used within 2 years of manufacturing. Stamped manufacturing code is read as MMDDYL, where **MM** is month, **DD** is day, **Y** is last digit of year and **L** is lot.

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