



# Product Specifications



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## KemTRACE<sup>®</sup> brand Chromium 0.4% Liquid (0.4% Chromium from Chromium Propionate)

### ITEM CODE

017114

### DESCRIPTION

A chromium supplement for adult horses, broilers, growing turkeys and all classes of swine and cattle to be used in the further manufacturing of feed.

### INGREDIENTS

Propionic Acid (a preservative) and Chromium Propionate.

### QUALITY SPECIFICATIONS

Parameter	
Total Chromium (min.)	0.4%; 4,000 ppm
Propionic Acid (min.)	97%

### TYPICAL CHARACTERISTICS

Parameter	
Color	Green
pH	2 - 3

### INSTRUCTIONS FOR USE

Agitate material in product container prior to application.

**HORSES:** Delivers 0.8 parts per million (800 parts per billion) chromium (from chromium propionate) when added and thoroughly mixed at a rate of 4 pounds per ton of horse feed. **FEEDING RATE:** Adult horses should be fed at the rate not to exceed 4 mg of chromium per head per day.

**BROILERS:** Delivers 0.2 parts per million (200 parts per billion) chromium (from chromium propionate) when added and thoroughly mixed at a rate of 0.1 pound per ton of complete broiler feed.

**GROWING TURKEYS:** Delivers 0.2 parts per million (200 parts per billion) chromium (from chromium propionate) when added and thoroughly mixed at a rate of 0.1 pound per ton of complete turkey feed.

**SWINE:** Delivers 0.2 parts per million (200 parts per billion) chromium (from chromium propionate) when added and thoroughly mixed at a rate of 0.1 pound per ton of complete swine feed.



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**CATTLE:** Delivers 0.5 parts per million (500 parts per billion) chromium (from chromium propionate) when added and thoroughly mixed at a rate of 0.25 pound per ton of complete cattle diets.

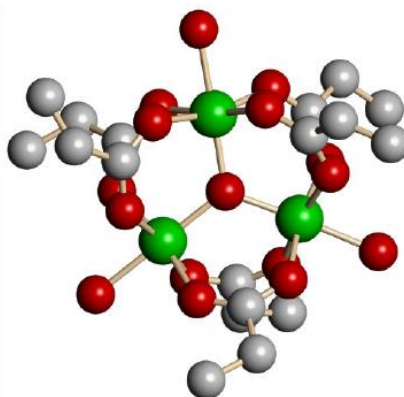
## HANDLING AND STORAGE

**STORAGE:** Store at room temperature in a cool, dark place. Keep container closed. Rotate inventory. Do not cross-contaminate unsupplemented feeds.

## CAUTION

Follow label directions. Chromium from all sources of supplemental chromium cannot exceed 4 mg per horse per day, cannot exceed 0.2 parts per million of the complete broiler, turkey or swine feed and cannot exceed 0.5 parts per million of the complete cattle diet.

## MOLECULAR STRUCTURE OF KEMIN CHROMIUM PROPIONATE



**Figure 1.** Drawing of Kemin chromium propionate cation. Green indicates chromium atoms; grey indicates carbon atoms; red indicates oxygen atoms. Hydrogen atoms are not shown for clarity.

## CHEMICAL NAME & EMPIRICAL FORMULA OF KEMIN CHROMIUM PROPIONATE

triaqua-( $\mu_3$ -oxo)hexakis( $\mu_2$ -propionato-*O, O'*) trichromium propionate

$[\text{Cr}_3(\text{O})(\text{CH}_3\text{CH}_2\text{CO}_2)_6(\text{H}_2\text{O})_3]\text{CH}_3\text{CH}_2\text{CO}_2$

## REFERENCE

21 CFR 573.304

AAFCO Ingredient Definition 57.166

## PACKAGING

20 kg container