



PRODUCT INFO
& DATASHEET

SICO VIT-K3 (Menadione)

1. GENERAL PRODUCT DESCRIPTION

Vitamin K3 synthesizes thrombose in the animal's liver, maintains the normal congealing time. As feed additive, **Vitamin K3** is very important and essential nutrient substance for animals. It effectively prevents blood diseases, strengthens the animal's resistance against diseases etc.

GRADES of Vitamin K3 : MSB98, MSB96, MSB65

MNB96, MNB50

MPB96, MPB50

2. PHYSICAL PROPERTIES

a) MSB (Menadione Sodium Bisulfite)

CAS NO: 130-37-0

Molecular formula: $C_{11}H_9NaO_5S \cdot nH_2O$

Appearance: white crystalline powder

Melting point: 121°C-124°C

Solubility: Freely soluble in water Vitamin-K3-Menadione-Bisulfite-Sodium

b) MNB (Menadione Nicotinamide Bisulfite)

CAS NO: 130-37-0

Molecular formula, Molecular weight: $C_{17}H_{16}O_6N_2S$ M=376.23

Appearance: white to yellowish crystalline powder

Melting point: 175°C-180°C

Solubility: 1.3g/100ml H₂O at 25°C Vitamin-K3-Menadione-Bisulfite-Nicotinamide

c) MPB (Menadione Dimethyl Pyrimidinol Bisulfite)

CAS NO: 14451-99-1 Molecular formula, Molecular weight: $C_{17}H_{18}N_2O_6S$ M=378.40

Appearance: white crystalline powder

Melting point: 192°C-197°C

Solubility: 1.0g/100ml H₂O at 25°C

3. USAGE AND DOSAGE

Type	Water Content	Packing	Guarantee Period	Recommendation
MSB98	≤13.0%	25kg/carton	12months	3-8mg/kg
MSB96	≤13.0%	25kg/carton	12months	3-8mg/kg
MSB65	≤13.0%	25kg/carton	12months	3-12mg/kg
MNB96	≤1.0%	25kg/carton	12months	3-8mg/kg
MNB50	≤1.0%	25kg/carton	12months	3-12mg/kg
MPB96	≤1.0%	25kg/carton	12months	2-10mg/kg
MPB50	≤5.0%	25kg/carton	12months	3-12mg/kg

4. ADVANTAGES

1. It facilitates the formation of thrombin so as to speedup or maintain the Normal concretion time of blood.
2. As well as lowering blood pressure, it is also diuretic and strengthens the liver detoxification ability.
3. Deficiency of **Vitamin K3** will lead to longer concretion time of blood or to bleeding nonstop. More seriously, it may lead to hematuria and anaemia, even death.

5. PACKAGE : Net 25kg/carton, inner plastic bag as customer's requirements

6. STORAGE : Keep in dry, cool (below 25°C), ventilated place and shielded from light, etc.

7. SHELF LIFE : 12 months if stored below 25°C, in unopened package.

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