

## TECHNICAL DATA SHEET

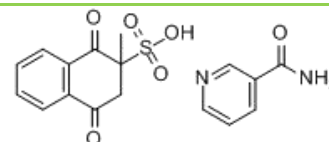
# Vitamin K3 (Menadione Niacinamide Bisulfite) 96%

### Chemical Properties

CAS No.: 73581-79-0

Chemical Formula: C<sub>17</sub>H<sub>16</sub>N<sub>2</sub>O<sub>6</sub>S

Molecular Weight: 376.38



### Description

Base on MSB, combining niacinamide molecular groups, MNB replaces sodium ion and 3 crystal water in MSB. For one thing. This eliminates the presence of water molecule which is the main factor of product instability. For another thing, big molecular group blocks the way isomer transforms, which restrains isomer from coming into being. Also, the presence of supportive molecule group favors the transformation and absorb of VK3 in organisms.

### Solubility

Little water-soluble (1.3g/100ml), easily dissolved in ethane and chloroform.

### Specification

Item	Specification	Test Method
Appearance	White or yellowish crystalline Powder	Visual
Purity	Min 96.0%	HPLC
Menadione	Min 43.9%	HPLC
Niacinamide	Min 31.2%	HPLC
Water Content	Max 1.5%	Karl-Fischer method
Heavy metals(as Pb)	Max 20ppm	AAS
Arsenic	Max 2ppm	AAS

### Ingredients

Pure Menadione Niacinamide Bisulfite

### Labeling

In the United States: Vitamin K3 (Menadione Niacinamide Bisulfite)

### Applications

Not only is MNB more stable and biologically active than MSB, it also can reduce the addition of nicotinamide in the feed.

It plays an important role in the synthesis of hepatic prothrombin in the lever, takes a unique antihaemorrhagic effect and simultaneously prevents the animals from the weak constitution and subcutaneous hemorrhage.