

# Vitamin K2 5% MCT Oil

## Chemical names of active ingredient

Menaquinone-7, (all-E)-2-(3,7,11,15,19,23,27-Heptamethyl-2,6,10,14,18,22,26-octacosahexaenyl)-3-methyl-1,4-naphthalenedione, 2-methyl-3-difarnesyl-1,4-naphthochinon

**CAS-No.** 2124-57-4

**PRD-No.**  
30728894\*

\* The product is kosher and halal.

## Article

50646966 1 kg aluminium bottle

## Country of origin

Norway

## Description

Clear yellow oil.

## Composition

Ingredients in descending order of weight: medium-chain-triglycerides, menaquinone (vitamin K2, MK-7).

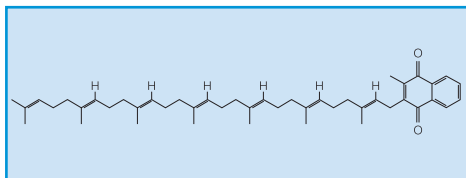
## Solubility

Soluble in fats and oils. Insoluble in water.

## Specification

Assay min. 5.0% vitamin K<sub>2</sub>

For further information see separate document: "Standard Specification" (not for regulatory purposes) available via BASF's WorldAccount: <https://worldaccount.basf.com> (registered access).



C<sub>46</sub>H<sub>64</sub>O<sub>2</sub>

Molar mass 649.02 g/mol

## Monographs

Vitamin K2 5% MCT Oil meets the requirements of the current 'Menaquinone-7 Preparation' of USP monograph. Furthermore, the included active ingredient complies with the specification requirements stipulated in the current 'Menaquinone-7' USP monograph.

## Regulations

The product meets the regulatory requirements for a vitamin K source in most countries. However, regulations on the ingredients used in the respective countries and for the intended use have to be observed.

## Bulk density

Approx. 0.9 g/ml

## Stability

Stored in its unopened original packaging at room temperature (max. 25 °C), the product is stable for at least 36 months.

## Storage/Handling

The product should be stored in the tightly sealed packaging at room temperature (max. 25 °C), in a dry place. It is essential to protect the product from light.

## **Instructions for dissolving the Vitamin K<sub>2</sub> 5% MCT OIL:**

When re-dissolve, heat the bottle (60 ° to 65 °C) in a water bath or heating cabinet until dissolved. Be aware of no pressure are build up inside the container by unscrewing the lid.

Be aware of no spillage of the material and keep it protected against light.

During Re-dissolving shake the container at regular basis.

When dissolved a clear yellowish oil should be obtained at the end of the process.

Rinse the container with MCT Oil to remove remaining material in the container.

## **Applications**

### Dietary supplements:

For preparations with a lipophilic phase, e.g. soft gelatin capsules.

### Food products:

Used for fortification of fatty foods, such as margarine, oils, milk and dairy products.

## **Note**

Vitamin K<sub>2</sub> 5% MCT Oil must be handled in accordance with the Safety Data Sheet.

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