

## 1. IDENTIFICATION

Product form: Edible oil containing vitamin K2 as MK-7  
Product name: MenaQ7 PharmaPure 1500 ppm MCT Oil  
MenaQ7 PharmaPure 4500ppm MCT Oil  
MenaQ7 PharmaPure 10,000ppm MCT Oil  
Product item code: NP-0299-20202  
NP-0299-20211  
NP-0299-20204

Intended use of substance: Food supplement

Company name and address: NattoPharma ASA, Lilleakerveien 2b, 0283 Oslo, Norway  
Telephone: +47 40 00 90 08

## 2. HAZARD IDENTIFICATION

Special information: None  
Hazard classifications: Does not fall into any hazard classifications  
Hazard pictograms: Not applicable  
Non-classified hazards: None known

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical	CAS	Concentration
Menaquinone-7	2124-57-4	0.15 - 1.0%
MCT oil	N/A	99.85 - 99%

None of the ingredients are classified as hazardous.

## 4. FIRST AID MEASURES

General information: In all cases of doubt, or when symptoms persist, seek medical advice.  
Following inhalation: Move to fresh air. Call a physician if symptoms develop or persist.  
After skin contact: Wash with soap and water. Call a physician if symptoms develop or persist.  
Following eye contact: Rinse thoroughly with water. Get medical attention if symptoms develop or persist.  
After ingestion: Drink plenty of water. Never give anything by mouth to an unconscious person. Persons receiving anticoagulant therapy, like warfarin or coumarins, should notify their physician. Product contains vitamin K which interferes with the biological activity of some anticoagulants.  
Information to physician: Treat symptoms. Product has low, dermal, inhalation toxicity and is non-irritating to eye and skin.

### 5. FIRE FIGHTING MEASURES

---

Suitable extinguishing media:

Water fog. Carbon dioxide (CO<sub>2</sub>). Foam. Dry extinguishing powder. Do not use water jet, it will spread fire.

Special hazards arising from chemical:

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for fire fighters:

Wear self-contained breathing apparatus. Full protective clothing must be worn in case of fire.

### 6. ACCIDENTAL RELEASE MEASURES

---

Personal precautions:

Dry and wet compound may be slippery.

Methods for containment and cleaning up:

Sweep up, collect and dispose appropriately.

### 7. HANDLING AND STORAGE

---

Handling:

Observe good industrial hygiene practices.

Storage:

Keep container tightly closed, may be stored in temperatures between 5 °C and 25 °C (RH: 30-50%). After opening the container, use as soon as possible or tightly close the container and store in refrigerator.

Store in dark. Store away from incompatible materials such as oxidizing agents and materials with high alkaline levels.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION EQUIPMENT

---

Exposure limit values:

No exposure limits or biological exposure limit noted for the ingredient.

Engineering controls:

Good general ventilation should be used. Ensure adequate ventilation, especially in confined areas.

Personal protection:

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

Hand and skin protection:

For prolonged or repeated skin contact use suitable gloves.

Eye protection:

If contact is likely safety glasses with side shields are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless to pale yellow oil	Relative density	Not available
Odor	Odorless	Solubility in water	Insoluble
Odor threshold	No information available	Solubility in oil	Soluble
pH	Not available	Particic coefficient (n-octanol/water)	Not determined
Melting point/freezing point	- 5°C	Auto-ignition temp	Not available
Initial boiling temperature/ boiling range	Not available	Decomposition temp	Not available
Flash point	500°F (260°C)	Viscosity	25cP at 25°C
Evaporation rate	Not available	Solvent content	0%
Flammability	Not available	Package density	Not available
Lower explosion limit	Not available	Explosion hazard	Not available
Upper explosion level	Not available	Ignition temperature	Not available
Oxidizing characteristics	Not available		
Vapor pressure	Not available		
Vapor density	Not available		

## 10. STABILITY AND REACTIVITY

### Chemical stability:

This product is stable under normal conditions.

### Conditions to avoid:

Avoid temperatures exceeding the flash point.

### Hazardous decomposition products:

No hazardous decomposition products are known.

### Possible hazardous reactions:

No dangerous reactions known under conditions of normal use.

### Incompatible materials:

Strong oxidizing agents. This product may react with strong alkalies.

### Additional information:

Protect from light exposure.

## 11. TOXICOLOGICAL INFORMATION

Most likely routes of exposure:

Skin.

Symptoms:

Direct contact with eyes may cause temporary irritation. No adverse effects due to skin contact are expected.

Method:

Risk assessment based on values and information of ingredients found in literature.

Skin irritation	Non-irritating
Eye irritation	May cause temporary irritation
Acute dermal	No
Acute oral	> 5000mg/kg
Inhalation	Non irritating
Sensitization	Not a sensitizer
Mutagenicity	No data available
Target organ effects	No indication
Carcinogenicity	No indication
Teratogenicity	No indication

## 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Not expected to have significant environmental effects.

Acute algae EC50:	> 0.449 mg/l (72 hrs)
Daphnia EC50:	> 100 mg/l (48 hrs)
Fish LC50:	> 53 mg/l (96 hrs)

Mobility:

No information available.

Persistence and biodegradation:

Readily biodegradable.

Bioaccumulative potential:

No data available.

Results of PBT assessment:

This substance does not meet the criteria for classification as PBT or vPvB.

Other harmful effects:

None known.

Further ecological information:

Negative ecological effects are not expected.

### 13. DISPOSAL CONSIDERATIONS

Appropriate disposal of product: waste disposal according to official state regulations.

### 14. TRANSPORT INFORMATION

Overland transport (ADR/RID): Not a hazardous material.  
Transport by sea (IMDG): Not a hazardous material.  
Air transport: Not a hazardous material.

### 15. REGULATORY INFORMATION

Novel Food: Approved.

### 16. OTHER INFORMATION

Further remarks:

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge.

The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal.

The information cannot be transferred to other products.

In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

	Health	Fire/ Flammability	Reactivity	Physical Hazard	Special
NFPA Diamond	0	1	0		0
HMIS Rating	0	1		0	