

1. IDENTIFICATION

Product form:	Edible oil containing vitamin K2 as MK-7
Product name:	MenaQ7 Natural 10,000ppm Sunflower Oil
Product item code:	NP-0199-20504
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	1%
Sunflower oil	8001-21-6	98.0%
Natural vitamin E	7695-91-2	~0.75%
Rosemary extract	N/A	~0.15%

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:	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:

Carbon dioxide (CO₂). Foam. Dry extinguishing powder. Do not use water.

Special hazards arising from chemical:

At high temperatures acrolein may be formed.

Special protective equipment and precautions for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment. Depending on the dimension of fire, wear full protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Pay attention to slippery ground.

Methods for containment and cleaning up:

Sweep up using spill control material, collect and dispose appropriately.

7. HANDLING AND STORAGE

Handling:

Observe good industrial hygiene practices. The usual precautions for handling chemicals should be observed.

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 data available.

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	Pale yellow	Density at 20°C	Ca. 0.919 - 0.925 g/cm ³
Odor	Nearly odorless	Solubility in water	Insoluble
Odor threshold	No information available	Solubility in oil	Soluble
pH	Not available	Particicn coefficient (n-octanol/water)	Not determined
Melting point/freezing point	-16 - 18°C	Auto-ignition temp	Not available
Initial boiling temperature/boiling range	Not available	Decompostion temp	Not available
Flash point	> 285°C	Viscosity	No data available
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 oxidizing agents.

Hazardous decomposition products:

No hazardous decomposition products are known.

Possible hazardous reactions:

No dangerous reaction 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	None known
Eye irritation	None known
Acute dermal	No
Acute oral	No
Inhalation	No data available
Sensitization	No data available
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.

Mobility:

No Information available.

Persistence and biodegradation:

Readily biodegradable.

Bioaccumulative potential:

No data available.

Results of PBT assessment:

No data available.

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	0	0		0
HMIS Rating	0	0		0	