Jiangsu Khonor Chemicals Co.,Limited

TECHNICAL DATA SHEET

1. Product Description

Vitamin K1 Oil is an oil-based preparation containing Vitamin K1 (Phylloquinone), a fat-soluble vitamin involved in normal blood coagulation. The product is designed for applications requiring Vitamin K1 in an oil-based form. Product concentration and carrier oil depend on the supplied formulation.

2. Product Information

Parameter	Description
Product Name	Vitamin K1 Oil
Chemical Name	Phylloquinone
CAS No.	84-80-0 (Vitamin K1 active ingredient)
Molecular Formula	$C_{31}H_{46}O_2$
Molecular Weight	450.70 g/mol
Appearance	Yellow to yellow-green oily liquid
Solubility	Soluble in oils; practically insoluble in water
Active Content	According to product specification
Carrier Oil	Subject to the supplied formulation

3. Chemical & Physical Properties

Vitamin K1 is a fat-soluble vitamin. Its oil-based formulation facilitates incorporation into compatible oil-based systems. Physical properties, including density, viscosity, and active content, depend on the formulation and carrier oil.

4. Applications

Vitamin K1 Oil may be used in suitable nutritional and other specialized formulations where permitted by the applicable regulations and product grade.

Potential application areas include:

Nutritional ingredient formulations

Vitamin premixes and oil-based preparations

Other permitted applications requiring Vitamin K1

The suitability of the product for food, feed, pharmaceutical, or other uses must be confirmed for the specific grade and destination market.

5. Packaging

Standard packaging: 25 kg per drum or container, subject to product compatibility.

Customized packaging: Available upon request, subject to packaging feasibility and minimum order quantity.

Packaging materials should be compatible with the formulation and provide adequate protection against light, air, moisture, and contamination.

6. Storage Conditions

Store in a tightly closed original container in a cool, dry, and well-ventilated place. Protect from direct sunlight, excessive heat, moisture, and prolonged exposure to air. Keep the container securely closed after use and follow the manufacturer's specific storage instructions.

7. Shelf Life

Shelf life depends on the formulation, packaging, and stability data provided by the manufacturer. Refer to the product label or manufacturer documentation for the confirmed shelf life and expiry date.

8. Quality & Regulatory Information

The Certificate of Analysis (COA), Safety Data Sheet (SDS), and other applicable technical or regulatory documents should be obtained for the specific product supplied. Product grade and permitted applications are subject to the manufacturer's documentation and the regulations of the destination market.