

Section 1: Identification

Common Name/Trade Name	VITAMIN K (PHYTONADIONE) USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) NSW Poisons Information Centre: 131 126 (24 hours)
Distributor Name	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au	
Product Synonym(s)	2-Methyl-3-phytyl-1,4-naphthoquinone; Phylloquinone; Phytonadione; Phytomenadione	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Aquatic Toxicity (Chronic), Category 4	
Signal Word	None	
Hazard Statement(s)	H413 May cause long-lasting harmful effects to aquatic life	
Pictogram(s)	N/A	
Precautionary Statement(s)	P273 Avoid release to the environment. P501 Dispose of contents/container to an approved waste disposal plant.	
Hazards Not Otherwise Classified	No data available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	Phylloquinone
Common Name	Vitamin K
CAS Number	81818-54-4
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	No further information available.
If Inhaled	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
In Case of Skin Contact	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
In Case of Eye Contact	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.
If Swallowed	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. DO NOT induce vomiting unless directed to do so by medical personnel.
Most Important Symptoms and Effects	No further information available.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water or dry chemical spray. Use water spray to cool fire-exposed containers. Unsuitable Extinguishing Media: A solid water stream may be inefficient.
Special Hazards Arising From the Substance/Mixture	No data available
Special PPE and/or Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Avoid raising and breathing dust and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator and appropriate personal protection (rubber boots, safety goggles and heavy rubber gloves)
Methods and Materials Used for Containment	Take steps to avoid release into the environment, if safe to do so.
Cleanup Procedures	Transfer to a chemical waste container for disposal in accordance with local regulations.

Section 7: Handling and Storage

Precautions for Safe Handling	Avoid breathing dust/fume/gas/mist/vapors/spray.
Conditions for Safe Storage	Keep containers tightly closed in a dry, cool, and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No data available.
Appropriate Engineering Controls	Use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below recommended exposure limits.
PPE - Eye/Face Protection	Wear safety glasses with side shields (or goggles)
PPE - Skin Protection	Handle with compatible chemical-resistant gloves.
PPE - Body Protection	Lab coat.
PPE - Respiratory Protection	NIOSH approved respirator, as conditions warrant.

Section 9: Physical and Chemical Properties

Appearance	Physical state: Solid. Appearance and Odor: A viscous liquid.
Upper/Lower Flammability or Explosive Limits	No data available
Odor	No data available
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point/Freezing Point	No data available
Solubility	No data available
Initial Boiling Point and Boiling Range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	Not applicable
Chemical Stability	Stable
Possibility of Hazardous Reactions	Polymerization will not occur
Conditions to Avoid	protect from light
Incompatible Materials	strong bases, strong oxidizing agents
Hazardous Decomposition Products	Hazardous decomposition products: Carbon oxides, nitrogen oxides

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Oral LD50(rat): >33487mg/kg, Oral LD50 (mouse): 25gm/kg. Subcutaneous LDLO (mouse) 1gm/kg
Acute Toxicity - Inhalation	No data available
Acute Toxicity - Dermal	No data available
Acute Toxicity - Eye	No data available
Skin Corrosion/Irritation	No data available
Serious Eye Damage/Irritation	No data available
Respiratory or Skin Sensitization	No data available
Germ Cell Mutagenicity	No data available
Carcinogenicity IARC	N/A
Carcinogenicity ACGIH	N/A
Carcinogenicity NTP	N/A
Carcinogenicity OSHA	N/A
Reproductive Toxicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	Avoid release into the environment. Runoff from fire control and dilution water may cause pollution.
Persistence and Degradability	No data available
Bio-accumulative Potential	No data available
Mobility in Soil	No data available
Other Adverse Effects	No data available

Section 13: Disposal Considerations

Waste Treatment Methods Product	Dispose in accordance with local, state, and federal regulations.
Waste Treatment Methods Packaging	No data available
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

EPA SARA (Superfund Amendments and Authorization Act of 1986) Lists: S.302(EHS): No, S.304 RQ: No, S.313 (TRI): No. Other US EPA or State lists: CAA HAP, ODC: No; CWA NPDES:No; TSCA: YES Inventory; CA PROP.65: No.

Section 16: Other Information

Additional Information	N/A
Prepared By	Scarlotte Smith
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