

Material Safety Data Sheet (MSDS)

Product Name: Vitamin K1 5% Powder

MSDS Generate Date: 20-05-2017

Revision Date: 30-12-2024

Supplier:

Rawpharma Biz Pvt Ltd
1101- City Centre 2,
Science City Road,
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1. Identification of the Substance/Preparation and Company

- **Product Name:** Vitamin K1 5% Powder
- **Synonyms:** Phytonadione 5% Powder
- **Product Use:** Nutraceuticals, pharmaceutical formulations, food supplements

2. Hazard Identification

- **GHS Classification:** Not classified as hazardous under GHS
- **Physical Hazards:** Dust formation may cause mild irritation
- **Health Hazards:** Prolonged or excessive exposure may cause irritation
- **Environmental Hazards:** No known significant hazards
- **Emergency Overview:** Yellowish free-flowing powder; low hazard under normal use

3. Composition / Information on Ingredients

- **Active Ingredient:** Vitamin K1 (Phytonadione) – 5%
- **Carrier/Base:** Food-grade excipients – 95%

- **CAS No. (Vitamin K1):** 84-80-0
 - **EC No.:** 201-564-2
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4. First-Aid Measures

- **Inhalation:** Move to fresh air; seek medical advice if irritation persists
 - **Skin Contact:** Wash with soap and water
 - **Eye Contact:** Rinse cautiously with water for several minutes
 - **Ingestion:** Rinse mouth; do not induce vomiting; consult physician if unwell
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5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** Water spray, CO₂, dry chemical, foam
 - **Specific Hazards:** Dust may form combustible mixture in air
 - **Protective Equipment:** Self-contained breathing apparatus
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6. Accidental Release Measures

- Avoid dust generation
 - Sweep up and collect in suitable container
 - Use personal protective equipment
 - Dispose as per local regulations
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7. Handling and Storage

- Handle in well-ventilated area
 - Avoid inhalation of dust
 - Store in tightly closed container
 - Keep away from heat, light, and moisture
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8. Exposure Controls / Personal Protection

- **Engineering Controls:** Local exhaust ventilation recommended
- **Personal Protective Equipment (PPE):**
 - Gloves: Nitrile or latex

- Eye Protection: Safety goggles
- Respiratory: Dust mask if needed

9. Physical and Chemical Properties

- **Appearance:** Yellow to yellowish-brown powder
- **Odor:** Characteristic
- **Solubility:** Insoluble in water
- **pH:** Not applicable
- **Bulk Density:** Not determined
- **Flash Point:** Not determined

10. Stability and Reactivity

- **Stability:** Stable under recommended storage conditions
- **Reactivity:** No hazardous reactions under normal conditions
- **Incompatible Materials:** Strong oxidizing agents
- **Hazardous Decomposition Products:** None known

11. Toxicological Information

- **Acute Toxicity:** Low toxicity
- **Skin Irritation:** May cause mild irritation
- **Eye Irritation:** Mild irritation possible
- **Chronic Effects:** No known adverse effects when used as intended

12. Ecological Information

- **Ecotoxicity:** No data available
- **Persistence and Degradability:** Expected to be biodegradable
- **Bioaccumulative Potential:** Low
- **Environmental Impact:** Not expected to cause environmental harm

13. Disposal Considerations

- Dispose of in accordance with local, regional, and national regulations
- Do not release into drains or water bodies
- Packaging should be disposed of responsibly

14. Transport Information (Detailed)

- **UN Number:** Not regulated
- **UN Proper Shipping Name:** Not applicable
- **Transport Hazard Class:** Not classified as dangerous goods
- **Packing Group:** Not applicable

Transport by Road (ADR/RID):

- Not restricted
- No special labeling required

Transport by Sea (IMDG):

- Not classified as hazardous
- No marine pollutant designation

Transport by Air (IATA):

- Non-dangerous goods
- Can be shipped as general cargo

Special Transport Precautions:

- Protect from moisture, heat, and direct sunlight
- Ensure containers are tightly sealed and properly labeled
- Avoid physical damage during handling and transit

15. Regulatory Information

- Complies with food, pharmaceutical, and nutraceutical regulations where applicable
- Not listed as hazardous under GHS, OSHA, or EU regulations

16. Other Information

- **Intended Use:** For industrial, pharmaceutical, and food applications only
- **Disclaimer:**

The information contained herein is believed to be accurate and reliable. Users must determine suitability for their specific application.

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- **Website:** www.rawpharmabiz.com
- MSDS are based on the manufacturer's provided information.