

SAFETY DATA SHEET

ULTRA CHEMICAL
2 BRIDGE AVE.
RED BANK, NJ. 07701 U.S.A.

Phone: 732-224-0200
Fax: 732-224-0017

1. PRODUCT:

03/31/16

1.1 Trade Name: **Ultrapure Vitamin K₁ USP**
1.2 Company: Ultra Chemical
1.3 Address: The Galleria, 2 Bridge Ave., Red Bank, New Jersey, U.S.A.
1.4 Office Telephone: 732-224-0200
1.5 Emergency Information: 732-224-0200

2. Possible Hazards: None

3. Composition (CTFA/INCI) Information on Ingredients:

3.1 CTFA/INCI Name: Phytonadione
3.2 CAS No.: 84-80-0
3.3 EINECS No.: 234-330-3

4. First Aid Measures:

4.1 On Inhalation: Remove victim to fresh air. Obtain medical attention immediately.
4.2 On Skin Contact: Remove contaminated clothing. Wash skin with soapy water mixture. If petrolatum mixture is at its melt point obtain medical attention immediately.
4.3 On contact with eyes: Flush eyes with water for at least 15 minutes. Obtain medical attention if required
4.4 On Ingestion: Obtain medical attention. Do not attempt to induce vomiting.

5. Fire Fighting Measures:

5.1 Suitable Extinguishing Media: Dry Chemical and CO₂. Use foam for larger fires.
5.2 Special Hazards: None

6. Accidental Release Measures:

6.1 Personal Precautions: Careful when handling Petrolatum especially at its melt point.
6.2 Environmental Precautions: Keep away from fresh water and ground water stations

6.3 Methods for Cleaning Up: Put spilled material in separate container. Dispose of in proper matter.

7. Handling and Storage:

7.1 Handling Advice: Use with caution around heat, sparks, static electricity and open flame.

7.2 Storage Conditions: Store in cool, dry, well-ventilated area. Do not store near oxidizing agents or strong acids.

8. Exposure Controls and Personal Protection:

8.1 Technical Protective Measures: Work with adequate ventilation. Keep from spilling melted material.

8.2 Components with Workplace: None

8.3 Personal Protective Equipment: Goggles or safety glasses, apron and chemical resistant gloves.

8.4 General Safety and Hygiene Measures: No special requirements.

9. Physical and Chemical Properties:

9.1 Physical Form: Liquid
9.2 Color: Yellow
9.3 Odor: Characteristic, slight
9.4 Melt Point: N/A
9.5 Solubility: Insoluble in water
9.6 Flash Point: >113°C
9.7 Specific Gravity @ 25°C: 0.984

10. Stability and Reactivity:

10.1 Conditions to Avoid: Excessive heat sources.

10.2 Hazardous Decomposition Products: Carbon oxides.

11. Toxicological Information:

11.1 Oral Toxicity: ORL-MUS- LD50: 25 g/kg SCU-MUS-LD50: 1000 mg/kg

11.2 Skin Irritation: Mild skin irritant

11.3 Ocular Irritation: Eye irritant

12. Ecological Information:

12.1 Degradability: This product is biodegradable.

13. Disposal Considerations:

13.1 Product: Sweep up and dispose in any approved local manner.
13.2 Container: Standard local procedures

14. Transport Information: Any approved transportation method.

15. Regulatory Information: Not subject to hazard symbol

15.1 HMIS Codes: H-0, F-0, PH-0

16. Other Information:

16.1 Product Use Fields: Cosmetic and pharmaceutical products.
16.2 Revision #: 3