

Material Safety Data Sheet

Vitamin K2 Microencapsulated Powder

Section 1: Chemical Product and Company Identification

Product Name	Vitamin K2 Microencapsulated Powder
CAS#	2124-57-4
Synonym	Vitamin K2 (MK -7) Powder
Company	Cocreate Global Technologies Private Limited (Scimplify)
Registered address	L73, Attic Space, 15th Cross Road, Sector 6, HSR Layout, Bangalore Urban- 560102, Karnataka, India

Section 2: Hazards Identification

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Other hazards - none

Section 3: Composition and Information on Ingredients

Pure ☒ Mixture ☐

3.1 Chemical Name: Vitamin K2 (MK -7) Powder

3.2

Ingredients	Assay (as MK-7 cal.)	CAS No.
Vitamin K2	≥2000ppm	[2124-57-4]

Section 4: First Aid Measures

4.1 Description of first aid measures

4.1.1 If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

4.1.2 In case of skin contact

Wash off with soap and plenty of water.

4.1.3 In case of eye contact

Flush eyes with water as a precaution.

4.1.4 If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5: Fire and Explosion Data

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx)

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleanup

Sweep up and shovel. Keep unsuitable, closed containers for disposal.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

No data available.

Section 8: Exposure Controls / Personal Protection

8.1 maximum allowable concentration

No data available.

8.2 Monitoring method

No data available.

8.3 Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

8.4 Respiratory protection:

When the concentration in the air exceeds the standard, it is recommended to wear a filter gas mask (half mask). Air respirator or oxygen respirator should be worn during emergency rescue or evacuation.

8.5 Eye protection: Wear chemical safety goggles.

8.6 Body protection: Wear long-sleeved work clothes.

8.7 Hand protection: Wear rubber or latex gloves.

8.8 Other protection

Smoking, eating and drinking are prohibited at the workplace. Avoid alcoholic beverages before work. After work, shower and change. Conduct pre-employment and periodic medical examinations.

Section 9: Physical and Chemical Properties

Physical state: Light yellow powder	Odor: No foreign smell
Melt point: N/A	Specific Gravity: 0.7-0.8 g/cm ³
Boiling Point: N/A	Vapour Density: N/A
Vapour Pressure: N/A	Evaporation Rate: N/A
Volatility: N/A	Flammability: N/A
Octanol/water partition coefficient of value: N/A	
Flash Point: N/A	PH value: 5-7
Autignition Temperature: N/A	Upper Explosion Limit: N/A
Solubility (water): Not soluble in water	Lower Explosion Limit: N/A
Application: Tablets, Capsules, Sachets, Liquid, Gummy, Dairy, Ca-Mg formulation system, etc.	

Section 10: Stability and Reactivity Data

10.1 Storage Stability: The product is stable, hygroscopic.

10.2 Incompatibilities with: Strong oxidizing agents.

10.3 Avoid conditions: Humidity

10.4 Corrosivity: Non-corrosive in presence of glass.

10.5 Possibility of hazardous reactions: No data available.

10.6 Hazardous Decomposition Products: No data available.

Section 11: Toxicological Information

11.1 Toxicity to Animals: Acute oral toxicity (LD50): 2000 mg/kg [Mouse, pure].

11.2 Subacute and chronic toxicity: NOT RELEVANT.

11.3 Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant). Slightly hazardous in case of ingestion, of inhalation.

Section 12: Ecological Information

12.1 Ecotoxicity: No data available.

12.2 Products of Biodegradation: No data available.

12.3 Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

12.4 Bio-accumulation or biological all tired: No data available.

12.5 BOD5 and COD: No data available.

Section 13: Disposal Considerations

13.1 Waster properties: Industry solid waster.

13.2 Pay attention: To avoid entering the sewer.

13.3 Waste Disposal: Regular solid waste treatment.

Section 14: Transport Information

14.1 UN number: No data available.

14.2 PACKAGE: Identification: No data available.

14.3 DG Group: III grade.

14.4 Packing: Inner packing: Aluminium foil bag; Outer packing: carton

14.5 SpecialProvisionsfor Transport: The packing has to be complete when shipping, and load should steady. Transit should be anti-exposure, rain, high temperature.

Section 15: Other Regulatory Information

Regulatory Information: Dangerous goods name list (GB1228-2012), the list of dangerous chemicals (2002 edition), the regulation on administration of road transport of dangerous goods (transport ministry make released no. 2, 2013), Chinese GB16483-2000 chemical safety specifications written rules (2000).

Section 16: Other Information

Further information The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Cocreate global technologies pvt ltd shall not be held liable for any damage resulting from handling or from contact with the above product.

Revision no: 01

Revision date: 01-08-2026