

SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION AND COMPANY INFORMATION

Product Name:	Vitamin K1 Powder
Company:	XI'AN AOGU BIOTECHCO.,LTD Room 1703, Block B, Baode Yungu International, 52 Jinye 1st Road, Xi 'an Hi-Tech Zone, Shaanxi Province 710075
Contact E-mail:	felicia@imaherb.com
Company Website:	www.aogubio.com
Telephone:	0086-18091843361
Fax:	0086-29-89121514
Emergency Telephone:	0086-29-89121514

2. HAZARDS IDENTIFICATION

Main Hazards: Hazardous in case of eye contact

3. COMPOSITION/INFORMATION ON INGREDIENTS

Description:	Mixture of substances listed below with additions.	
Components Number	CAS Number	Percent (%)
Vitamin K1	81818-54-4	1%, 5%, 10%, 20%
dextrin	9005-25-8	99%, 95%, 90%, 80%

4. FIRST AID MEASURES

Skin Contact:	No known effect on skin contact, rinse with water for a few minutes.
Eye Contact;	Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.
Inhalation:	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing: Small fire: Use dry chemical powder.
Large fire: Use water spray, fog or foam. Do not use water jet.
Fire Hazard: Not available.
Protective Equipment: Not available.

6. ACCIDENTAL RELEASE MEASURES

Personal Precaution: Put on protective clothing. Avoid inhalation of dusts.
Environmental Precaution: Do not allow to enter drains, sewers or watercourses.
Clean-Up Methods: Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal
Large Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. HANDLING AND STORAGE

Handling: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapour/spray. Avoid contact with eyes. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment if ingested, seek medical advice immediately and show the container or the label.
Storage: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

Respiratory Protection:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Hand Protection:	Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
Eye Protection:	Use gloves
Protective Equipment:	Use splash goggles Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description:	Granules, powder or micro powder
Color:	Pale yellow to yellow
Odor:	Odorless or almost odorless
Boiling Point:	Not available
Flash Point:	Not available
Relative Density:	Not available
Water Solubility:	Not available
Melting Point:	Not available

10. STABILITY AND REACTIVITY

Stability:	The product is stable.
Conditions to Avoid:	Protect from sunlight.
Materials to Avoid:	Strong oxidizing agents
Hazardous Decomposition Products:	Nitrogen oxides

11. TOXICOLOGICAL INFORMATION

Toxicological Information:	.Routes of entry: Eye contact. Inhalation. Ingestion. . Toxicity to Animal: Acute oral toxicity (LD50): 25000 mg/kg .Chronic Effects on: The substance is toxic to mucous membranes. .Other Toxic Effects on Humans: Hazardous in case of ingestion, of inhalation. .Special Remarks on Toxicity to Animals: Not available.
----------------------------	--

.Special Remarks on Chronic Effects on Humans: Passes through the placental barrier in animal.

Adverse Reactions:

Deaths have occurred after intravenous and intramuscular administration. (See Box Warning.) Transient “flushing sensations” and “peculiar” sensations of taste have been observed, as well as rare instances of dizziness, rapid and weak pulse, profuse sweating, brief hypotension, dyspnea, and cyanosis. Pain, swelling, and tenderness at the injection site may occur.

The possibility of allergic sensitivity including an anaphylactoid reaction, should be kept in mind. Infrequently, usually after repeated injection, erythematous, indurated, pruritic plaques have occurred; rarely, these have progressed to scleroderma-like lesions that have persisted for long periods. In other cases, these lesions have resembled erythema perstans. Hyperbilirubinemia has been observed in the newborn following administration of phytonadione. This has occurred rarely and primarily with doses above those recommended. (See PRECAUTIONS, Pediatric Use.)

.Special Remarks on Other Toxic Effects on Humans: Notavailable.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

.Ecotoxicity: Not available.

.BOD5 and COD: Not available.

.Products of biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

.Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

.Special Remarks on the Products of Biodegradation: Not additional

13. DISPOSAL CONSIDERATIONS

General Information:

.Recycle if possible. Dispose product according tonational/regional regulations in force. Send to authorized

disposal plants or to authorize controlled condition incinerators. Contaminated packaging may be recycled or disposed; in this case the receiver must be informed of potential hazards.

.Waste Disposal methods: Not applicable.

.U.S.EPA waste number: Not applicable.

14. TRANSPORT INFORMATION

Further Information:

- .DOT regulations: -
- .Hazard class: -
- .Identification number: -
- .Packing group: -
- .Hazardous substance: -
- .Poison inhalation hazard:
- .Proper shipping name:
- .Label:
 - Land transport ADR/RID class: Not controlled under ADR (Europe).
 - Danger code (Kemler): -
 - UN-Number: -
 - Hazard label: -
 - Description of goods: -
 - Maritime transport IMDG:
 - IMDG Class: -
 - UN Number: -
 - Label -
 - Packaging group: -
 - EMS Number: -
 - Marine pollutant: Not listed in Appendix B to 49CFR172.101
 - Proper shipping name: -
 - Air transport ICAO-TI and IATA-DGR:
 - ICAO/IATA Class: Not controlled under IATA
 - UN/ID Number: -
 - Label -
 - Packaging group: -
 - Proper shipping name: -
- .Packaging: 25 kg / drum
Or packing according to customer requirements.

15. REGULATORY INFORMATION

Risk Phrases: Not available

Safety Phrases: Safety, health and environmental regulations/legislation specific for the substance or mixture

16. OTHER INFORMATION

Further Information: The information in this publication was obtained from sources which we believe are reliable. However, the information is provided without any express or implied regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this information may not be applicable.