

Vitamin B₁₂

Safety Data Sheets

1. Identification

Product name: Vitamin B₁₂

Chemical name: Coa-[α-(5,6-Dimethylbenz-1H-imidazol-1-yl)-Co β -cyanocobamide

Manufacturer: Ningxia Kingvit Pharmaceutical Co., Ltd.

The New Chemical Materials Park (Zone B) of Ningdong Chemical and Energy Industrial Base, Ningxia, China

Tel: 0086-951-8462647

2. Hazard(s) Identification

Potential health effects:

Eye: may cause eye irritation

Skin: may cause skin irritation

Ingestion the toxicological properties of this substance have not been fully investigated

Inhalation may cause respiratory tract irritation

Chronic not available

3. Composition/Information on Ingredients

CAS number: 68-19-9

4. First-Aid Measures

After eye contact: Irrigate thoroughly with water. If discomfort persists obtain medical attention.

After skin contact: flush skin with plenty of soap and water for at least 15minutes while removing contaminated clothing and shoes.

After inhalation: Move individual to fresh air. Get medical attention if breathing difficulty occurs. If not breathing, provide artificial respiration assistance and call a physician immediately.

After ingestion: Gets medical aid, wash mouth out with water.

5. Fire-Fighting Measures

Special risks: Combustible.

Suitable extinguishing agents: CO₂, dry powder or water spray.

6. Accidental Release Measures

Person- related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection: Mix with sand, transfer carefully to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

7. Handling and Storage

Handling Avoids breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin and clothing.

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Conditions for safe storage: Keep container tightly closed in a dry cool and well-ventilated place.
Recommended storage temperature: 10-30°C.

8. Exposure Controls / Personal Protection

Personal protective equipment

Respiratory protection: Use an approved dust respirator.

Eye protection: Chemical goggles or face shield.

Ventilation: Extraction hood.

Other protective equipment: Plastic apron, sleeves, boots, if handling large quantities.

Additional exposure precautions: Under normal use and handling conditions, wear goggles to protect eyes and wear impermeable gloves and protective equipment to avoid direct contact with skin.

9. Physical and Chemical Properties

Appearance: A dark-red, crystalline powder

Odor: Not available

Solubility: Sparingly soluble in water and in alcohol, practically insoluble in acetone and in ether. The anhydrous substance is very hygroscopic.

10. Stability and Reactivity

Stability: Decomposed by light.

Reactivity: Can react with oxidizing materials.

11. Toxicological Information

May be harmful by ingestion or if inhaled as dust. Irritating to eyes.

Further data: No evidence of carcinogenic properties. Evidence of reproductive effects.

12. Ecological Information

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

13. Disposal Considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

14. Transport Information

Regulatory organization

DOT Not regulated

ICAO/IATA Not regulated

IMO Not regulated

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15. Regulatory Information

Directive EU93/112/EC

16. Other Information

All information contained herein is offered with the good faith belief that it is accurate. This material safety data sheet shall not be deemed to create any warranty of any kind. In the event of an adverse incident associated with this material, personnel. Nor is this safety data sheet intended to be a substitute for product literature which may accompany the finish product.

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