

# Material Safety Data Sheet

## Vitamin D3 Powder 0.1MIU/g CWS



### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name : Vitamin D3 Powder 0.1MIU/g CWS

#### 1.2 Details of the supplier of the safety data sheet

Company : Zhejiang Tianhecheng Biotechnology Shares Co., Ltd  
No.111, Leyuan Road, Shimen Town, Tongxiang City, Zhejiang, China

Telephone : +86-573-88797198

Fax : +86-573-88797298

E-mail address : [sales@tianhecheng.net](mailto:sales@tianhecheng.net)

Website: [www.tianhecheng.net](http://www.tianhecheng.net)

Emergency Phone # : +86-573-88797198

### SECTION 2: Composition, Information on Ingredients

| CAS Number | Name                                |
|------------|-------------------------------------|
| 67-97-0    | Vitamin D3                          |
| 66829-29-6 | Starch sodium octenyl succinate     |
| 9000-1-5   | Arabic gum                          |
| 10191-41-0 | DL- $\alpha$ -tocopherol            |
| 134-03-2   | Vitamin C                           |
| 7758-87-4  | Tricalcium phosphate                |
| 8001-21-6  | Edible vegetable oil(Sunflower oil) |
| 9050-36-6  | Maltodextrin                        |

Chemical characteristics: Vitamin D3 (Cholecalciferol) preparation with an activity of min 100,000 IU/g protected by modified starch and maltodextrin.

Hazardous components: Cholecalciferol 0.225%-0.3%  
T+, R26, R24/25, R48/25

Synonyms: Cholecalciferol, Colecalciferol, Vitamin D3

Empirical formula: C<sub>27</sub>H<sub>44</sub>O

Molecular mass: 384.65g/mol

Non-hazardous ingredients: 99.7%-99.775%

CAS-No.: 67-97-0

EINECS-No.: 200-673-2

HS Code: 2936290090

### SECTION 3: Hazards identification

Hazardous components Vitamin D3 (Cholecalciferol)

CAS-No.: 67-97-0

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Physico-chemical properties: Dust may form explosive mixture in air.

# Material Safety Data Sheet

## Vitamin D3 Powder 0.1MIU/g CWS



Properties affecting health: Toxic by inhalation.  
Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Environmental properties: No data available.

### SECTION 4: First aid measures

Eye contact: Rinse thoroughly with attention.

Inhalation: Move to fresh air. Remove from exposure.

Skin contact: Wash off thoroughly with soap and water.

Ingestion: Wash out mouth thoroughly with water. In severe cases obtain medical attention.

### SECTION 5: Firefighting measures

Special risks: Combustible. Risk of a dust explosion.

Suitable extinguishing media: Water spray, foam, dry powder or carbon dioxide.

### SECTION 6: Accidental release measures

Wear appropriate protective clothing. Avoid generation of dusts. Do not allow to enter sewerage system.

Carefully take up dry. Forward for disposal. Clean up affected area.

### SECTION 7: Handling and storage

Handling: Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

Storage: Store in a cool place (below 25°C).

Keep dry and tightly closed and protected from direct sunlight and moisture.

### SECTION 8: Exposure controls/personal protection

As appropriate to the situation and the quantity handled. Engineering methods to control or prevent exposure are preferred. Methods could include process enclosure or mechanical ventilation.

Ventilation: Extraction hood required when dusts are generated.

Respirator: Dust respirator required when dusts are generated.

Gloves: Rubber or plastic

Eye Protection: Goggles or face-shield

Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

Do not eat, drink or smoke, when handling the material. Ensure adequate ventilation, especially in confined areas. Remove and wash contaminated clothing before re-use.

### SECTION 9: Physical and chemical properties

Identification: Powder

# Material Safety Data Sheet

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|                     |                 |
|---------------------|-----------------|
| Color:              | white-yellowish |
| Odor:               | Not available   |
| Melting temperature | Not available   |
| Boiling temperature | Not available   |
| Density(g/ml)       | Not available   |
| Solubility in water | Dispersible     |

### SECTION 10: Stability and reactivity

|                                  |  |
|----------------------------------|--|
| Chemical stability               | Stable under recommended storage conditions.                                   |
| Conditions to avoid              | Air and Light.   |
| Materials to avoid               | Strong oxidizing agents, Acid chlorides, Acid anhydrides                       |
| Hazardous decomposition products | Hazardous decomposition products formed under fire conditions. - Carbon oxides |

### SECTION 11: Toxicological information

|  |  |
|--|--|
| Acute toxicity   |  |
| LD50/oral/rat=   | 42mg/kg (Cholecalciferol)  |
| Chronic toxicity   |  |
| Carcinogenic effects   | No data available  |
| Mutagenic effects  | No data available  |
| Toxic effects for reproduction   | No data available  |
| Specific effects:  | Harmful: danger of serious damage to healthy by prolonged exposure if swallowed. |
| Possible clinical signs:   |  |
| The most common clinical signs associated with cholecalciferol intoxication depend on the body system that is affected. Clinical signs appear within 12- 36 hours after ingestion and include anorexia, depression, abdominal pain, vomiting, dehydration and muscle weakness. |  |
| After inhalation of dust:  | Irritation symptoms in the respiratory tract.                                    |
| After eye contact:   | Irritation.  |
| After the uptake of large quantities:  | diarrhoea, headache, lack of appetite.   |
| Further hazardous properties cannot be excluded.   |  |
| The product should be handled with the care usual when dealing with chemicals.   |  |

### SECTION 12: Ecological information

Quantitative data on the ecological effect of this product are not available.  
Effects cannot be excluded in the event of improper handling or disposal.

### SECTION 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

# Material Safety Data Sheet

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returning for recycling.



### SECTION 14: Transport information

|                          |                                       |
|--------------------------|---------------------------------------|
| UN-No.:                  | Not subject to transport regulations. |
| IMO: Packaging group:    | N/A                                   |
| Air transport(IATA):     | N/A                                   |
| Land transport(ADR/RID): | N/A                                   |
| Sea transport (IMDG):    | N/A                                   |

### SECTION 15: Regulatory information

N/A

### SECTION 16: Other information

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