

SILVER FERN CHEMICAL



Safety Data Sheet

Vitamin D3 100 CWD

SECTION 1: IDENTIFICATION

Product Name: Vitamin D3 100 CWD

CAS Number: 67-97-0

Chemical Name: Cholecalciferol Concentrate Powder Form

Synonyms: Vitamin D3 powder form; VITADEE 100 CWD

Uses: Pharmaceutical & Food industry

Company

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SECTION 2: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Caution: may cause eye, skin and respiratory tract irritation. ingestion may cause gastric disturbances
Dust can form an explosive mixture with air.

Potential health effects:

Primary routes of exposure:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.
Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Irritation:

Prolonged exposure to the product can result in irritation of the skin and mucous membranes.

Repeated dose toxicity:

No known chronic effects.

Medical conditions aggravated by overexposure:

Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by overexposure to product.



SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Vitamin D3 contents : Minimum 100,000 IU/g

CAS #	Content (W/W)	Ingredients
9004-65-3	3.0-10.0%	HPMC
10191-41-0	0.2-1.0%	All-rac-alpha-Tocopherol
57-50-1	QS	Sucrose
13463-67-7	0.1-0.5%	Titanium Dioxide
1338-39-2	1.0-5.0%	Sorbitan Monolaureate
67-97-0	0.25-0.35%	Vitamin D3

SECTION 4: FIRST AID MEASURES

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Assist in breathing if necessary. Immediate medical attention is required

In case of skin contact: Wash affected areas thoroughly with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.

In case of eye contact : Immediately flush eyes with plenty of water for at least 15 minutes while keeping eyelids open. Get medical aid if irritation develops.

If swallowed : Immediately flush eyes with plenty of water for at least 15 minutes while keeping eyelids open. Get medical aid if irritation develops.

General advice: Remove contaminated clothing.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: no data available

Auto ignition: no data available

Suitable extinguishing media: Water fog, foam, Carbon dioxide (CO₂), dry extinguishing media.

Special hazards arising from the substance or mixture: Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

Advice for firefighters: Wear a self-contained breathing apparatus

NFPA Hazard code:

Health: 1

Fire: 1

Reactivity: 0

Special:

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation. Avoid dust formation

Clean-up Procedures: Spill should be contained and placed in suitable containers for disposal

Environmental protection: Do not dispose to sewage systems, waterways or soil.

SECTION 7: HANDLING AND STORAGE

Handling: Ensure adequate ventilation. Avoid the formation and deposition of dust.

Storage: Store in a tightly closed container, below 25°C. Protected from Light.

Protection against fire and explosion:

Containers should be grounded against the electrostatic charge. Dust can form an explosive mixture with air. Fire extinguishers should be kept handy.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protective Equipment (PPE)

Respiratory protection: Wear NIOSH-certified (or equivalent) particulate respirator

Hand protection: Wear chemical resistant protective gloves.

Eye protection: Tightly fitting safety goggles (chemical goggles).

Body protection: Wear protective clothing as necessary to prevent contact. Avoid inhalation of dust. Wash soiled clothing immediately

Engineering controls: Provide local exhaust ventilation to control dust.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder, free flowing particles Color: White or yellowish
Odor	no data available
Odor Threshold	no data available
pH	no data available
Melting point/freezing Point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Upper/lower flammability or explosive limits	no data available
Vapor pressure	no data available
Water solubility	Practically insoluble forms dispersion in water
Partition Coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Bulk density:	Approx. 0.6 g/cm ³
Viscosity:	no data available

SECTION 10: STABILITY AND REACTIVITY

Conditions to avoid: Avoid dust formation.

Incompatibilities with other materials: Polymerization catalysts (peroxides, per sulphates and accelerators, strong bases and strong acids)

Hazardous reactions: Dust explosion hazard

Decomposition products: Carbon dioxide and carbon monoxide when heated.

Chemical stability: Stable under normal storage conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Developmental Toxicity/Teratogenicity:

Information on: Vitamin D3

The potential to cause toxicity to development cannot be excluded when given in high doses. After uptake of small doses toxicity to development will not expected in human.

SECTION 12: ECOLOGICAL INFORMATION

Biological Degradation: No Data

Eco-toxic Effect: No Data

Further Ecological Data: Do not allow product to enter sewage system, water ways or soil

Mobility in soil: No Data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal of substance: Dispose of contents/container in accordance with local/regional/national/international regulations. Do not discharge substance/product into sewer system.

Container disposal: Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized used containers

SECTION 14: TRANSPORT INFORMATION

DOT (US)

Not Dangerous Goods

IMDG

Not Dangerous Goods

IATA

Not Dangerous Goods

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

This product is NOT classified as hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.1200, amended to conform to the United Nations' Globally Harmonized System of Classification and Labelling of Chemicals (OSHA / GHS); or NOM-002-SCT-2003 (Mexico).

SECTION 16: OTHER INFORMATION

Each International Unit (I.U.) is equivalent to 0.025 microgram of pure Cholecalciferol.

1 mg contains 100 I.U. of Vitamin D3.

HMIS III Rating

Health: 1 Flammability: 1 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of Zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard

DISCLAIMER OF RESPONSIBILITY

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