



MATERIAL SAFETY DATA SHEET

Section 1 - Chemical Product and Company Identification

MSDS Name: Vitamin D3 (Cholecalciferol)

Synonyms: Cholecalciferol; 9,10-Seccholesta-5,7,10(19)-trien-3 ol

Contact Information:

Company: Aurora Industry Co.,Ltd.
Address:Room 7033, No.9-1, Haifu
Road, Dalian Free Trade Zone,
China
Tel:0411-82288674

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
67-97-0	Vitamin D3	99+%	200-673-2

Hazard Symbols: T+

Risk Phrases: 24/25 26 48/25

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Very toxic by inhalation. Toxic in contact with skin and if swallowed. Toxic : danger of serious damage to health by prolonged exposure if swallowed.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation. Toxic in contact with skin.

Ingestion: May cause irritation of the digestive tract. Toxic if swallowed.

Inhalation: May be fatal if inhaled. May cause respiratory tract irritation. Toxic if inhaled.

Chronic:



Section 4 - First Aid Measures

- Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
- Skin:** Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Ingestion:** Get medical aid immediately. Wash mouth out with water.
- Inhalation:** Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Notes to
Physician:**

Section 5 - Fire Fighting Measures

- General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

- General Information:** Use proper personal protective equipment as indicated in Section 8.
- Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Do not let this chemical enter the environment.



Section 7 - Handling and Storage

Handling: Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Use only in a chemical fume hood.

Storage: Keep refrigerated. (Store below 4°C/39°F.) Store in a tightly closed container. Store in a dry area.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

CAS# 67-97-0:

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Crystalline powder

Color: white to off-white

Odor: odorless

pH: Not available

Vapor Pressure: Not available

Viscosity: Not available

Boiling Point: Not available

Freezing/Melting Point: 82 - 87 deg C

Autoignition Temperature: Not available



Flash Point: Not available
Explosion Limits: Lower: Not available
Explosion Limits: Upper: Not available
Decomposition Temperature: Not available
Solubility in water: <0.1 g/l (20°C)
Specific Gravity/Density:
Molecular Formula: C₂₇H₄₄O
Molecular Weight: 384.64

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures. Light sensitive.
Conditions to Avoid: Incompatible materials.
Incompatibilities with Other Materials Strong oxidizing agents, acid chlorides, acid anhydrides.
Hazardous Decomposition Products Carbon monoxide, carbon dioxide.
Hazardous Polymerization Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 67-97-0: VS2900000
LD50/LC50: RTECS:
CAS# 67-97-0: Oral, mouse: LD50 = 42500 ug/kg;
Oral, rat: LD50 = 42 mg/kg;
.
Other: Skin, rabbit: LD50 = 61 mg/kg Inhalation, rat: LC = 0.13 - 0.38 mg/L/4H
Carcinogenicity: Vitamin D3 - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity: Not available
Other: Do not empty into drains.
Biodegradability: <7% (28d.)



Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	TOXIC SOLID, ORGANIC, N.O.S.*	TOXIC SOLID, ORGANIC, N.O.S.	TOXIC SOLID, ORGANIC, N.O.S.
Hazard Class:	6.1	6.1	6.1
UN Number:	2811	2811	2811
Packing Group:	II	II	II

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T+

Risk Phrases:

R 24/25 Toxic in contact with skin and if swallowed.

R 26 Very toxic by inhalation.

R 48/25 Toxic : danger of serious damage to health by prolonged exposure if swallowed.

Safety Phrases:

S 28A After contact with skin, wash immediately with plenty of water.

S 36/37 Wear suitable protective clothing and gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 67-97-0: 1

Canada



CAS# 67-97-0 is listed on Canada's DSL List

US Federal

TSCA

CAS# 67-97-0 is listed on the TSCA Inventory.

Section 16 - Other Information

Created Date: 01/10/2020, 09:47 PM

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.
