

Trade name: Vit D2

Substance number: 163975

Version: 2 / CH

Date revised: 02.11.2016

Replaces Version: 1 / CH

Print date: 02.11.16

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

1.1. Product identifier

Vit D2

Item No. 16397500

Substance / product identification

CAS-No. 50-14-6

EINECS-No. 200-014-9

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Manufacture of pharmaceutical products, Additive, dietary supplement

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible
for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 3 H301

Acute Tox. 3 H311

Acute Tox. 2 H330

STOT RE 1 H372

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements ***

H330

Fatal if inhaled.

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H372 Causes damage to organs through prolonged or repeated exposure:
 H301+H311 Toxic if swallowed or in contact with skin

Precautionary statements ***

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P284 [In case of inadequate ventilation] wear respiratory protection.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P310 Immediately call a POISON CENTER or doctor.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Ergocalciferol

Other information ***

Not for supply to the general public in Switzerland

SECTION 3: Composition/information on ingredients *****3.1. Substances****Hazardous ingredients (Regulation (EC) No. 1272/2008) *******Ergocalciferol**

CAS No.	50-14-6		
EINECS no.	200-014-9		
Concentration	>=	100	%
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 3		H301
	STOT RE 1		H372
	Acute Tox. 3		H311
	Acute Tox. 2		H330

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Keep warm, calm and covered up. Summon a doctor immediately. Remove contaminated clothing immediately and dispose of safely. Irregular breathing/no breathing: artificial respiration.

After inhalation

Remove the casualty into fresh air and keep him calm. Keep warm and at rest. Summon a doctor immediately. If necessary, give oxygen. If decomposition products are inhaled, remove the affected person to a source of fresh air and keep him calm. Provide medical aid. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

Wash off immediately with soap and water and rinse well. Summon a doctor immediately.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Call in a physician immediately and show him the Safety Data Sheet. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. Summon a doctor immediately.

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

Development of toxic gases; Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Wear full protective suit. Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Do not inhale dust.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal. When picked up, treat material as prescribed under Section 13 "Disposal". Ensure adequate ventilation.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Product should be handled only by trained personnel. Do not inhale dust. Provide good ventilation of working area (local exhaust ventilation if necessary). Handle and open container with care. Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

Keep away from combustible material. Hold breathing apparatus.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 2 - 8 °C

Requirements for storage rooms and vessels

Keep only in the original container.

Hints on storage assembly

Not required.

Further information on storage conditions

Protect from light. Protect from exposure to air/oxygen. Keep under lock and key or accessible only to specialists or people who are authorized. Keep container tightly closed. Keep under nitrogen.

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

At work do not eat, drink, smoke or take drugs. Take off immediately all contaminated clothing. Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work. Store work clothing separately. Avoid contact with skin and eyes.

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Respiratory protection

Short term: filter apparatus, Filter A; At intensive and longer exposition use self-contained breathing apparatus.

Hand protection

Protective gloves

Eye protection

Not necessary.

Body protection

Protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	solid
Colour	white
Odour	odourless
pH value	
Remarks	Not applicable
Melting point	
Value	115 to 119 °C
Initial boiling point and boiling range	
Remarks	not determined
Flash point	
Value	°C
Remarks	Not applicable
Vapour pressure	
Remarks	Not applicable
Density	
Value	1.03 g/cm ³
Solubility in water	
Remarks	insoluble
Decomposition temperature	
Remarks	not determined
Viscosity	
Remarks	Not applicable

9.2. Other information**Solids content**

Value 100 %

Other information

The product is dangerous for explosions.

SECTION 10: Stability and reactivity**10.2. Chemical stability**

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

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No hazardous reactions known.

10.4. Conditions to avoid

Keep away from sources of heat and ignition. Protect from light. Protect from exposure to air/oxygen.
Protect from heat and direct sunlight.

Decomposition temperature

Remarks not determined

10.6. Hazardous decomposition products

Carbon monoxide, Carbon dioxide

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

ATE	10	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**Ergocalciferol**

Species	rat	
LD50	10	mg/kg
Source	ChemID: Agricultural Chemicals, "Thomson, W.T., 4 vols., Fresno, CA, Thomson Publications, 1976/77 revision Vol 3, Pg. 132, 1986. (20121127)	

Acute dermal toxicity

ATE	300	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute inhalational toxicity

ATE	0.05	mg/l
Administration/Form	Dust/Mist	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Skin corrosion/irritation

Method	OECD 404
Remarks	No effect of irritation known.

Serious eye damage/irritation

Method	OECD 405
Remarks	No effect of irritation known

Sensitization

Remarks No sensitisation effect known.

SECTION 12: Ecological information**12.1. Toxicity****General information**

For this subsection there is no ecotoxicological data available on the product as such.

12.6. Other adverse effects**General information / ecology**

Do not allow it to reach ground water, water bodies or sewage system. Hazard for drinking water supplies.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code No not dispose with rubbish.
 EWC waste code Should not be released into the sanitary sewer system.
 Disposal in compliance with local and national regulations.

SECTION 14: Transport information ***

Land transport ADR/RID ***

14.1. UN number

UN 2811

14.2. UN proper shipping name

TOXIC SOLID, ORGANIC, N.O.S. (Ergocalciferol)

14.3. Transport hazard class(es)

Class 6.1
 Label 6.1

14.4. Packing group

Packing group II
 Limited Quantity 500 g
 Transport category 2
 Tunnel restriction code D/E

Marine transport IMDG/GGVSee ***

14.1. UN number

UN 2811

14.2. UN proper shipping name

TOXIC SOLID, ORGANIC, N.O.S. (Ergocalciferol)

14.3. Transport hazard class(es)

Class 6.1

14.4. Packing group

Packing group II

Air transport ICAO/IATA ***

14.1. UN number

UN 2811

14.2. UN proper shipping name

TOXIC SOLID, ORGANIC, N.O.S. (Ergocalciferol)

14.3. Transport hazard class(es)

Class 6.1

14.4. Packing group

Packing group II

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (Germany)

Water Hazard Class WGK 2
 (Germany)
 Remarks Self-assessment

SECTION 16: Other information

R-phrases listed in Chapter 3

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

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Very toxic by inhalation.

Toxic: danger of serious damage to health by prolonged exposure if swallowed.

Hazard statements listed in Chapter 3

H301

Toxic if swallowed.

H311

Toxic in contact with skin.

H330

Fatal if inhaled.

H372

Causes damage to organs through prolonged or repeated exposure:

CLP categories listed in Chapter 3

Acute Tox. 2

Acute toxicity, Category 2

Acute Tox. 3

Acute toxicity, Category 3

STOT RE 1

Specific target organ toxicity - repeated exposure, Category 1

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.