



Complete D 25-OH Vitamin D Control

Safety Data Sheet

According to regulation (EU) No. 2015/830 and regulation (EC) No. 1272/2008

Revision date: 19/02/2016

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Version: 1.0

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

1.1. Product identifier

Product Name : Complete D 25-OH Vitamin D Control
Product code : 1291-31, 1292-31
Synonyms : Vitamin D Control

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory Quality Control Material. For professional use only.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company

Quantimetrix Corp.
2005 Manhattan Beach Blvd.
Redondo Beach, CA 90278
310-536-0006

www.quantimetrix.com

1.4. Emergency telephone number

Emergency number : 310-536-0006

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH208 - Contains 2-Methyl-4-isothiazolin-3-one(2682-20-4). May produce an allergic reaction

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--------------------------------|---|--------|--|
| Ethyl alcohol | (CAS No) 64-17-5 (EC no) 200-578-6 (EC index no) 603-002-00-5 | 0,7 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 |
| 3(2H)-Isothiazolone, 2-methyl- | (CAS No) 2682-20-4 (EC no) 220-239-6 | 0,0152 | Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 |

Full text of H-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area.
- First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : May cause an allergic reaction in sensitive individuals.
- Symptoms/injuries after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- Symptoms/injuries after skin contact : May cause sensitisation of susceptible persons by skin contact.
- Symptoms/injuries after eye contact : Direct contact with the eyes is likely irritating.
- Symptoms/injuries after ingestion : If a large quantity has been ingested : May cause nausea, vomiting, and diarrhea.

4.3. Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide, dry chemical powder, alcohol foam, polymer foam, water spray, fog.
- Unsuitable extinguishing media : None known.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not flammable.
- Explosion hazard : Product is not explosive.
- Reactivity : Hazardous reactions will not occur under normal conditions.

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Use appropriate personal protection equipment (PPE).
- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb and/or contain spill with inert material, then place in suitable container.
- Methods for cleaning up : Clean up spills immediately and dispose of waste safely.

6.4. Reference to other sections

See heading 8, Exposure Controls and Personal Protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

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Incompatible products : Strong acids. Strong bases. Strong oxidizers.

7.3. Specific end use(s)

Laboratory Quality Control Material. For professional use only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| 3(2H)-Isothiazolone, 2-methyl- (2682-20-4) | | |
|---|---|--|
| Austria | MAK (mg/m ³) | 0,05 mg/m ³ |
| Austria | OEL chemical category (AT) | Skin notation, Skin sensitizer |
| Switzerland | VME (mg/m ³) | 0,2 mg/m ³ (inhalable dust) |
| Switzerland | OEL chemical category (CH) | Sensitizer |
| Ethyl alcohol (64-17-5) | | |
| Austria | MAK (mg/m ³) | 1900 mg/m ³ |
| Austria | MAK (ppm) | 1000 ppm |
| Austria | MAK Short time value (mg/m ³) | 3800 mg/m ³ |
| Austria | MAK Short time value (ppm) | 2000 ppm |
| Belgium | Limit value (mg/m ³) | 1907 mg/m ³ |
| Belgium | Limit value (ppm) | 1000 ppm |
| Bulgaria | OEL TWA (mg/m ³) | 1000 mg/m ³ |
| Croatia | GVI (granična vrijednost izloženosti) (mg/m ³) | 1900 mg/m ³ |
| Croatia | GVI (granična vrijednost izloženosti) (ppm) | 1000 ppm |
| France | VLE (mg/m ³) | 9500 mg/m ³ |
| France | VLE (ppm) | 5000 ppm |
| France | VME (mg/m ³) | 1900 mg/m ³ |
| France | VME (ppm) | 1000 ppm |
| Germany | TRGS 900 Occupational exposure limit value (mg/m ³) | 960 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Germany | TRGS 900 Occupational exposure limit value (ppm) | 500 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed) |
| Greece | OEL TWA (mg/m ³) | 1900 mg/m ³ |
| Greece | OEL TWA (ppm) | 1000 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 1000 ppm |
| Latvia | OEL TWA (mg/m ³) | 1000 mg/m ³ |
| Spain | VLA-EC (mg/m ³) | 1910 mg/m ³ |
| Spain | VLA-EC (ppm) | 1000 ppm |
| Switzerland | VLE (mg/m ³) | 1920 mg/m ³ |
| Switzerland | VLE (ppm) | 1000 ppm |
| Switzerland | VME (mg/m ³) | 960 mg/m ³ |
| Switzerland | VME (ppm) | 500 ppm |
| Netherlands | Grenswaarde TGG 8H (mg/m ³) | 260 mg/m ³ |
| Netherlands | Grenswaarde TGG 15MIN (mg/m ³) | 1900 mg/m ³ |
| United Kingdom | WEL TWA (mg/m ³) | 1920 mg/m ³ |
| United Kingdom | WEL TWA (ppm) | 1000 ppm |
| United Kingdom | WEL STEL (mg/m ³) | 5760 mg/m ³ (calculated) |
| United Kingdom | WEL STEL (ppm) | 3000 ppm (calculated) |
| Czech Republic | Expoziční limity (PEL) (mg/m ³) | 1000 mg/m ³ |

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| Ethyl alcohol (64-17-5) | | |
|--------------------------------|--|---|
| Denmark | Grænseværdie (langvarig) (mg/m ³) | 1900 mg/m ³ |
| Denmark | Grænseværdie (langvarig) (ppm) | 1000 ppm |
| Estonia | OEL TWA (mg/m ³) | 1000 mg/m ³ |
| Estonia | OEL TWA (ppm) | 500 ppm |
| Estonia | OEL STEL (mg/m ³) | 1900 mg/m ³ |
| Estonia | OEL STEL (ppm) | 1000 ppm |
| Finland | HTP-arvo (8h) (mg/m ³) | 1900 mg/m ³ |
| Finland | HTP-arvo (8h) (ppm) | 1000 ppm |
| Finland | HTP-arvo (15 min) | 2500 mg/m ³ |
| Finland | HTP-arvo (15 min) (ppm) | 1300 ppm |
| Hungary | AK-érték | 1900 mg/m ³ |
| Hungary | CK-érték | 7600 mg/m ³ |
| Ireland | OEL (15 min ref) (ppm) | 1000 ppm |
| Lithuania | IPRV (mg/m ³) | 1000 mg/m ³ |
| Lithuania | IPRV (ppm) | 500 ppm |
| Lithuania | TPRV (mg/m ³) | 1900 mg/m ³ |
| Lithuania | TPRV (ppm) | 1000 ppm |
| Norway | Grenseverdier (AN) (mg/m ³) | 950 mg/m ³ |
| Norway | Grenseverdier (AN) (ppm) | 500 ppm |
| Norway | Grenseverdier (Korttidsverdi) (mg/m ³) | 950 mg/m ³ |
| Norway | Grenseverdier (Korttidsverdi) (ppm) | 500 ppm |
| Poland | NDS (mg/m ³) | 1900 mg/m ³ |
| Romania | OEL TWA (mg/m ³) | 1900 mg/m ³ |
| Romania | OEL TWA (ppm) | 1000 ppm |
| Romania | OEL STEL (mg/m ³) | 9500 mg/m ³ |
| Romania | OEL STEL (ppm) | 5000 ppm |
| Slovakia | NPHV (priemerná) (mg/m ³) | 960 mg/m ³ |
| Slovakia | NPHV (priemerná) (ppm) | 500 ppm |
| Slovakia | NPHV (Hraničná) (mg/m ³) | 1920 mg/m ³ |
| Slovenia | OEL TWA (mg/m ³) | 1900 mg/m ³ |
| Slovenia | OEL TWA (ppm) | 1000 ppm |
| Slovenia | OEL STEL (mg/m ³) | 7600 mg/m ³ |
| Slovenia | OEL STEL (ppm) | 4000 ppm |
| Sweden | nivågränsvärde (NVG) (mg/m ³) | 1000 mg/m ³ |
| Sweden | nivågränsvärde (NVG) (ppm) | 500 ppm |
| Sweden | kortidsvärde (KTV) (mg/m ³) | 1900 mg/m ³ |
| Sweden | kortidsvärde (KTV) (ppm) | 1000 ppm |
| Portugal | OEL TWA (ppm) | 1000 ppm |
| Portugal | OEL chemical category (PT) | A4 - Not Classifiable as a Human Carcinogen |

8.2. Exposure controls

Appropriate Engineering Controls: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: Gloves. Protective clothing.



Materials for Protective Clothing: Chemically resistant fabrics and materials.

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Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: None required under normal conditions of use.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use an approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---------------------|
| Physical state | : Liquid |
| Colour | : Amber |
| Odour | : Odourless |
| Odour threshold | : No data available |
| pH | : 7,4 |
| Evaporation rate | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Solubility | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Viscosity | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : Not applicable |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical stability

Product is stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

10.6. Hazardous decomposition products

The product is not flammable. However, under fire conditions, decomposition may produce carbon monoxide, carbon dioxide, chloride and hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

3(2H)-Isothiazolone, 2-methyl- (2682-20-4)

| | |
|---------------------|-------------------------|
| ATE CLP (oral) | 100,00 mg/kg bodyweight |
| ATE CLP (dermal) | 300,00 mg/kg bodyweight |
| ATE CLP (dust,mist) | 0,50 mg/l/4h |

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| Ethyl alcohol (64-17-5) | |
|---|---------------|
| LD50 oral rat | 10470 mg/kg |
| LD50 dermal rat | 20 ml/kg |
| LC50 inhalation rat (mg/l) | 124,7 mg/l/4h |
| LC50 inhalation rat (Vapours - mg/l/4h) | 124,7 mg/l/4h |

| | |
|-----------------------------------|------------------|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

| Ethyl alcohol (64-17-5) | |
|-------------------------|---|
| IARC group | 1 |

| | |
|--|------------------|
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified |

SECTION 12: Ecological information

12.1. Toxicity

| Ethyl alcohol (64-17-5) | |
|-------------------------|--|
| EC50 Daphnia 1 | 9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 fish 2 | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| ErC50 (algae) | 1000 mg/l |

12.2. Persistence and degradability

| Complete D 25-OH Vitamin D Control | |
|------------------------------------|------------------|
| Persistence and degradability | Not established. |

| Ethyl alcohol (64-17-5) | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

12.3. Bioaccumulative potential

| Complete D 25-OH Vitamin D Control | |
|------------------------------------|------------------|
| Bioaccumulative potential | Not established. |

| Ethyl alcohol (64-17-5) | |
|---------------------------|------------------|
| Log Pow | -0,32 |
| Bioaccumulative potential | Not established. |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR | IMDG | IATA | ADN | RID |
|-----------------------------|------|------|-----|-----|
| 14.1. UN number | | | | |
| Not regulated for transport | | | | |

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| ADR | IMDG | IATA | ADN | RID |
|---|---|------------------------------------|------------------------------------|------------------------------------|
| 14.2. UN proper shipping name | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment : No | Dangerous for the environment : No Marine pollutant : No | Dangerous for the environment : No | Dangerous for the environment : No | Dangerous for the environment : No |

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

3(2H)-Isothiazolone, 2-methyl- (2682-20-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Ethyl alcohol (64-17-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Revision date : 19/02/2016

Data sources : According to Regulation (EC) No. 1907/2006 (REACH) with its amendment
Regulation (EU) 2015/830

Full text of H- and EUH-statements:

| | |
|-------------------------------------|--|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 3 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 3 |
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B |
| Skin Sens. 1 | Sensitisation — Skin, Category 1 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H225 | Highly flammable liquid and vapour |
| H301 | Toxic if swallowed |
| H311 | Toxic in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H317 | May cause an allergic skin reaction |

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| | |
|------|----------------------------------|
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H331 | Toxic if inhaled |
| H335 | May cause respiratory irritation |
| H400 | Very toxic to aquatic life |

EU GHS SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.