## Material Safety Data Sheet

Version 3.0 Revision Date 08/22/2008 Print Date 06/03/2009

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## Product name

1. PRODUCT AND COMPANY IDENTIFICATION

1α,25-Dihydroxyvitamin D2

Product Number 17944 : Sigma Brand

Company : Sigma-Aldrich Canada, Ltd 2149 Winston Park Drive

> OAKVILLE ON L6H 6J8 CANADA : +1 9058299500

+1 9058299292 Emergency Phone # : 800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS Formula

: C28H44O3 Molecular Weight : 428.65 g/mol

Concentration EC-No. Index-No. 1alpha ,25-Dihydroxyvitamin D2

60133-18-8 3. HAZARDS IDENTIFICATION

Highly toxic by inhalation

Toxic by ingestion

## Emergency Overview WHMIS Classification

Very Toxic Material Causing Immediate and D1A D1B Serious Toxic Effects

Telephone

Fax

Toxic by skin absorption HMIS Classification 2 Health Hazard:

Flammability: 0 Physical hazards: 0 Potential Health Effects May be fatal if inhaled. May cause respiratory tract irritation. Inhalation Skin Toxic if absorbed through skin. May cause skin irritation.

May cause eye irritation. Toxic if swallowed.

Eyes Ingestion

4. FIRST AID MEASURES

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If inhaled

In case of skin contact Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

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If swallowed

In case of eye contact

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

no data available

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Flammable properties Flash point

5. FIRE-FIGHTING MEASURES

Ignition temperature no data available Suitable extinguishing media

Wear self contained breathing apparatus for fire fighting if necessary. 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear respiratory protection. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas. Environmental precautions

Special protective equipment for fire-fighters

7. HANDLING AND STORAGE

Handling

Storage

Methods for cleaning up

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## Recommended storage temperature: -20 °C Light sensitive. Store under inert gas.

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Keep container tightly closed in a dry and well-ventilated place.

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Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment Respiratory protection

Skin and body protection

Safety glasses

Hand protection Handle with gloves Eye protection

> Hygiene measures Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the

> > white

no data available

Contains no substances with occupational exposure limit values.

under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES Form crystalline

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Choose body protection according to the amount and concentration of the dangerous substance at the work

Melting point Boiling point Flash point

Ignition temperature

Lower explosion limit

11. TOXICOLOGICAL INFORMATION

Irritation and corrosion

Acute toxicity no data available

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Colour Safety data

pΗ

Upper explosion limit no data available Water solubility no data available

Chronic exposure

investigated.

Skin

Eyes

Inhalation

Ingestion

no data available

Ecotoxicity effects

Potential Health Effects

12. ECOLOGICAL INFORMATION

no data available Sensitisation no data available

Signs and Symptoms of Exposure

no data available 13. DISPOSAL CONSIDERATIONS Product

> Contaminated packaging Dispose of as unused product.

14. TRANSPORT INFORMATION

Marine pollutant: No

DOT (US)

IATA

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UN-Number: 2811 Class: 6.1 Packing group: II

incinerator equipped with an afterburner and scrubber.

This product contains the following components that are not on the Canadian DSL nor NDSL lists. CAS-No. 60133-18-8 1alpha ,25-Dihydroxyvitamin D2

Serious Toxic Effects

WHMIS Classification

D1A

D1B

16. OTHER INFORMATION

Further information

the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Appearance

10. STABILITY AND REACTIVITY Storage stability Stable under recommended storage conditions.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

no data available Further information on ecology

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical

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EMS-No: F-A, S-A

Highly toxic by inhalation

Toxic by ingestion Toxic by skin absorption

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly

May be fatal if inhaled. May cause respiratory tract irritation.

Toxic if absorbed through skin. May cause skin irritation.

May cause eye irritation.

Toxic if swallowed.

Elimination information (persistence and degradability)

UN-Number: 2811 Class: 6.1 Packing group: II Proper shipping name: Toxic solids, organic, n.o.s. (1alpha ,25-Dihydroxyvitamin D2) Marine pollutant: No Poison Inhalation Hazard: No

UN-Number: 2811 Class: 6.1 Packing group: II Proper shipping name: Toxic solid, organic n.o.s. (1alpha ,25-Dihydroxyvitamin D2) 15. REGULATORY INFORMATION

Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (1alpha ,25-Dihydroxyvitamin D2)

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