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Safety Data Sheet(SDS)

I. PRODUCT AND COMPANY IDENTIFICATION

2000 ·	
Product Name:	Calcitriol
Product Catalog Number:	B2141
-	
CAS Number:	32222-06-3
Company:	APExBIO Technology 7505 Fannin street, Suite 410, Houston, TX 77054, USA +1-832-696-8203 TEL +1-832-641-3177 FAX +1-855-577-7998 EMERGENCY PHONE
II. HAZARDS IDENTIFICATION	
Emergency Overview	
OSHA Hazards:	Flammable liquids(Category 2),H225 Serious eye damage/eye irritation(Category 2A),H319
III. COMPOSITION/DATA ON CO	OMPONENTS
Formula:	C27H44O3
Molecular Weight :	416.64
IV. FIRST AID MEASURES	Transe Procession
Terme	
After Inhalation:	If inhaled, remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration.

After skin contact:

Flush with copious amounts of water; remove

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After eye contact:

physician. Check for and remove contact lenses and flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers;

contaminated clothing and shoes; call a physician;

Take victim to hospital immediately; call a

If swallowed, wash out mouth with copious amounts of water; call a physician

call a physician.

After swallowing:

V. FIRE FIGHTING MEASURES

Suitable extinguishing media:

Special protective equipment for firefighters:

Hazardous combustion products:

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

Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides.

VI. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas.

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

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

VII. HANDLING AND STORAGE

Environmental precautions:

Methods and materials for

containment and cleaning up:

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Conditions for safe storage:

Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: Desiccate at -20°C away from light. Keep in a dry place.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal protective equipment as follows:

Respiratory protection:



Hand protection:



Skin and body protection:



Hygiene measures:

Contains no substances with occupational exposure limit values.

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

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

General industrial hygiene practice.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance

b) Odour

c) Odour Threshold

d) pH

e) Melting point/freezing point f) Initial boiling point and

boiling range

g) Flash point

h) Evaporation rate

i) Flammability (solid, gas)

j) Upper/lower flammability or

explosive limits

k) Vapour pressure

I) Vapour density

m) Relative density

n) Water solubility

o) Partition coefficient

p) Auto-ignition temperature

q) Decomposition temperature

r) Viscosity

s) Explosive properties

t) Oxidizing properties

Other safety information

No data available

No data available No data available No data available No data available No data available No data available

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X. STABILITY AND REACTIVITY

Chemical stability:

Possibility of hazardous reactions:

Conditions to avoid:

Materials to avoid:

Stable under recommended storage conditions.

No data available.

No data available.

Strong acids, Strong bases.

XI. TOXICOLOGICAL INFORMATION



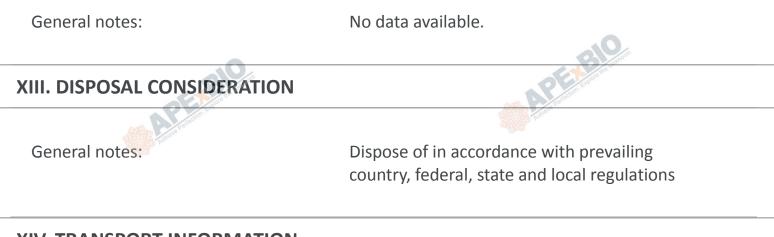
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

XII. ECOLOGICAL INFORMATION



XIV. TRANSPORT INFORMATION

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DOT (US):

IMDG:



IATA:

This substance is considered to be non-hazardous for transport.

UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F Proper shipping name: Environmentally hazardous substance, solid, n.o.s. Marine pollutant: Marine pollutant

UN number: 3077 Class: 9 Packing group: III Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

XV. REGULATIONS

SARA 302 Components:

SARA 313 Components:

SARA 311/312 Hazards:

Massachusetts Right To Know Components:

Pennsylvania Right To Know Components:

New Jersey Right To Know Components:

California Prop. 65 Components:

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Acute Health Hazard.

No components are subject to the Massachusetts Right to Know Act.

No components are subject to the New Jersey Right to Know Act.

No components are subject to the New Jersey Right to Know Act.

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

XVI. OTHER INFORMATION

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