SIGMA-ALDRICH

Material Safety Data Sheet

Version 3.0 Revision Date 01/01/2009 Print Date 03/27/2011

1. PRODUCT AND COMPANY IDENTIFICATION							
Product name	: Calcitonin	eel					
Des durat Nameh en							
Product Number	: T1284						
Brand	: Sigma						
Company	: Sigma-Aldri	ch					
	3050 Spruce						
	SAINT LOU	IS MO 63103					
	USA						
Telephone	: +18003255832						
Fax	: +180032550						
Emergency Phone #	: (314) 776-6	555					
2. COMPOSITION/INFORMATIC	ON ON INGREDIE	INTS					
Synonyms	· Cys-Ser-Asi	n-Leu-Ser-Thr-Cys-Val-Leu-Gl	v-l vs-l eu-Ser-Gln-				
Cynonyme	Glu-Leu-His	-Lys-Leu-Gln-Thr-Tyr-Pro-Arg	-Thr-Asp-Val-Glv-				
	Ala-Gly-Thr						
	Thyrocalcito						
	-						
Formula	: C ₁₄₆ H ₂₄₁ N	I ₄₃ 0 ₄₇ S ₂					
Molecular Weight	: 3,414.87 g/r	nol					
			O a sector tie s	7			
CAS-No.	EC-No.	Index-No.	Concentration	_			
Thyrocalcitonin Eel							
57014-02-5	-	-	-				
3. HAZARDS IDENTIFICATION							
Emergency Overview							
OSHA Hazards							
Target Organ Effect							
Target Organs							
Bone, Kidney							
HMIS Classification							
Health Hazard:	0						
Chronic Health Hazard:	*						
Flammability:	0						
Physical hazards:	0						
NFPA Rating							
Health Hazard:	0						
Fire:	0						
Sigma - T1284		Sigma-Aldrich Corporation www.sigma-aldrich.com		Page 1 of 5			

Reactivity Hazard:	0			
otential Health Effects	5			
InhalationMay be harmful if inhaled. May cause respiratory tract irritation.SkinMay be harmful if absorbed through skin. May cause skin irritation.EyesMay cause eye irritation.IngestionMay be harmful if swallowed.				
ST AID MEASURES				
f inhaled f breathed in, move per	rson into fresh air. If not breathing give artificial respiration			
n case of skin contac Vash off with soap and	-			
n case of eye contact Flush eyes with water a				
f swallowed Never give anything by	mouth to an unconscious person. Rinse mouth with water.			
E-FIGHTING MEASU	RES			
Flammable properties Flash point	no data available			
Ignition temperature Suitable extinguishing Jse water spray, alcoho				
Special protective equiver Vear self contained bre	ipment for fire-fighters eathing apparatus for fire fighting if necessary.			
CIDENTAL RELEASE	MEASURES			
Personal precautions Avoid dust formation.				
Environmental precau Do not let product enter				
lethods for cleaning Sweep up and shovel. P	up Keep in suitable, closed containers for disposal.			
NDLING AND STORA	GE			
landling Provide appropriate exh protection.	naust ventilation at places where dust is formed. Normal measures for preventive fire			
Storage Keep container tightly c	losed in a dry and well-ventilated place.			
Recommended storage	temperature: -20 °C			

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

For prolonged or repeated contact use protective gloves.

Eye protection Safety glasses

Carcty glasses

Hygiene measures

General industrial hygiene practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form solid

Safety data

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рН	no data available
Melting point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	no data available

10. STABILITY AND REACTIVITY

Storage stability

Stable under recommended storage conditions.

Materials to avoid

Strong acids, Strong bases

Hazardous decomposition products

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

11. TOXICOLOGICAL INFORMATION

Acute toxicity

no data available

Irritation and corrosion

no data available

Sensitisation

no data available

Chronic exposure

- 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.
- ACGIH: 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.
- NTP: 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.
- OSHA: 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.

Signs and Symptoms of Exposure

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

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.
Target Organs	Bone, Kidney,

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

no data available

Ecotoxicity effects

no data available

Further information on ecology

no data available

13. DISPOSAL CONSIDERATIONS

Product

Observe all federal, state, and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

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Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

Target Organ Effect

DSL Status

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

SARA 302 Components

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

CAS-No. 57014-02-5

SARA 313 Components

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.

SARA 311/312 Hazards

Chronic Health Hazard

Massachusetts Right To Know Components

Pennsylvania Right To Know Components

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

CAS-No.Revision DateThyrocalcitonin Eel57014-02-5New Jersey Right To Know ComponentsCAS-No.Revision DateThyrocalcitonin Eel57014-02-5

California Prop. 65 Components

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

16. OTHER INFORMATION

Further information

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