Material Safety Data Sheet

Section 1 : Chemical Product Company Identification		
Product Name	Lymecycline In House Reference Standard	
CAS No.	992-21-2	
Identified uses	Pharmaceutical Reference Standard	
Details of the Supplier Company	SynZeal Research Pvt Ltd Plot No. F, Ganesh Industrial Estate 423/24/8, MahagujaratInd Estate Sarkhej-Bavla Road, Ahmedabad-382 213. Gujarat, India.	
Telephone	+91-7969225400	

Section 2 : Chemical Information	
Chemical Name (2S)-2-Amino-6-[[[[(4S,4aS,5aS,6S,12aS)-4-(dimethylamino)-3,6 2,12a-pentahydroxy-6-methyl-1,11-dioxo-1,4,4a,5,5a,6,11,12a- ydrotetracen-2-yl]carbonyl]amino]methyl]amino]hexanoic acid	
CAS No.	992-21-2
Molecular Weight	602.6
Molecular Formula	C29H38N4O10

Section 3: Hazards Identification		
Emergency Overview:		
Appearance	Light Yellow Hygroscopic Solid	
Target Organs	NA	
Potential Health Effects:		
Eye	NIL	
Skin	NIL	
Ingestion	NIL	
Inhalation	NIL	
Chronic	NIL	

Hazard Statement:	
H302:Harmful if swallowed.	

H312:Harmful in contact with skin.		
H315:Causes skin irritation.		
H319:Causes serious eye irritation.		
H332:Harmful if inhaled.		
H335:May cause respiratory irritation.		
Precautionary Statement:		
P261:Avoid breathing dust/fume/gas/mist/vapours/spray.		
P262:Do not get in eyes, on skin, or on clothing.		
P271:Use only outdoors or in a well-ventilated area.		
P280:Wear protective gloves/protective clothing/eye protection/face p	protection.	
P302 + P352:IF ON SKIN: Wash with plenty of water		
P304 + P340:IF INHALED: Remove person to fresh air and keep comfor	rtable for breathing.	
P305 + P351 +P338:IF IN EYES: Rinse cautiously with water for severa rinsing.	I minutes. Remove contact lenses, if present and easy to do. Continue	
P308 + P313:IF exposed or concerned: Get medical advice/attention.		
Section 4: First Aid Measures		
Eye	Wash with plenty of water	
Skin	Wash with plenty of water	
Ingestion	Medical assistance for gastric lavage.	
Inhalation	Remove to fresh air, artificial respiration or oxygen if necessary.	
Notes to Physician	Lymecycline In House Reference Standard can be washed with plenty of water in case of any exposure	
Section 5: Firefighting Measures		
Extinguishing Media	Carbon dioxide, dry chemical powder, foam, water.	
Unusual Fire and Explosion Hazards	None indicated	
Section 6 : Accidental Release Measures		
Personal Precautions	Wear self-contained breathing apparatus, avoid dust formation.	
Spills/Leaks	Wash with plenty of water, provide adequate ventilation.	
Section 7: Handlings and Storage		
ndling Wear surgical gloves		

Section 9 : Exposure Controls, Personal Protection Respiratory Protection Exposure Limits NA Eye Protection Wear safety goggles Other Protective Equipment Protective Equipment Protective Equipment Section 2 : Physical and Chemical Properties Appearance Light Yellow Hygroscopic Solid Odor Odor less Melting Point NA Passic Vapor Pressure NA NA Vapor Density NA Supportation Rate NA NA Decomposition Temp NA Auto ignition Temp NA	Storage		
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Exposure Limits NA Eye Protection Wear safety goggles Other Protective Equipment Protective Eduthing Skin Full sleeves apron Clothing Cotton Section 9 : Physical and Chemical Properties Section 9 : Physical and Chemical Properties Appearance Light Yellow Hygroscopic Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA Viscosity NA Boiling Point NA Boiling Point NA Boiling Point NA NA Viscosity NA Soliding Point NA NA Decomposition Temp NA Auto ignition Temp, NA Auto ignition Temp, NA Cupper NA Seplosion Limits Explosion Limits Explosion Limits Explosion Limits Section 10 : Stability and Reactivity	Section 8: Exposure Controls, Personal Protection		
Ever Protection Wear safety goggles Other Protective Equipment Protective Cothing Skin Full sleeves apron Clothing Cotton Section 9 : Physical and Chemical Properties Section 9 : Physical and Chemical Properties Appearance Light Yellow Hygroscopic Solid Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Vapor Pressure NA Vapor Density NA Evaporation Rate NA Wiscosity NA Boiling Point NA Boiling Point NA Boiling Point NA Cuto ignition Temp NA Auto ignition Temp NA Auto ignition Temp NA Explosion Limit Explosion Limit Explosion Limit Lower NA Selubility NA Selubility Ochorform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	Respiratory Protection	Self-contained breathing apparatus	
Other Protective Equipment Protective clothing Skin Full sleeves apron Clothing Cotton Section 9 : Physical and Chemical Properties Section 9 : Physical and Chemical Properties Appearance Light Yellow Hygroscopic Solid Odor Odor less Melting Point NA Vapor Pressure NA Vapor Density NA Evaporation Rate NA Viscosity NA Boiling Point NA Auto ignition Temp NA Flash Point NA NFPA Rating NA Explosion Limits Lower NA Upper NA Solubility Chloroform, Methanol Specific Gravity/Density NA	Exposure Limits	NA	
Skin Full sleeves apron Clothing Cotton Section 9 : Physical and Chemical Properties Appearance Light Yellow Hygroscopic Solid Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA Viscosity NA Boiling Point NA Boiling Point NA Locomposition Temp NA Auto ignition Temp NA Auto ignition Temp. NA Flash Point NA Explosion Limits Lower NA Upper NA Solubility Chloroform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	Eye Protection	Wear safety goggles	
Section 9 : Physical and Chemical Properties Appearance Light Yellow Hygroscopic Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Pressure NA Viscosity NA Boiling Point NA Decomposition Temp NA Auto ignition Temp. NA Flash Point NA Frash Point NA Sexplosion Limits Lower NA Solubility Chiloroform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	Other Protective Equipment	Protective clothing	
Section 9 : Physical and Chemical Properties Appearance Light Yellow Hygroscopic Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Pressure NA Viscosity NA Evaporation Rate NA Viscosity NA Boiling Point NA Auto ignition Temp NA Auto ignition Temp. NA Flash Point NA Franking NA Explosion Limits Lower NA Solubility Chloroform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	Skin	Full sleeves apron	
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Evaporation Rate NA Viscosity NA Boiling Point NA Decomposition Temp NA Auto ignition Temp. NA Flash Point NA NFPA Rating NA Explosion Limits Lower NA Solubility Chloroform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	Vapor Pressure	NA	
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Decomposition Temp NA Auto ignition Temp. NA Flash Point NA NFPA Rating NA Explosion Limits Lower NA Upper NA Solubility Chloroform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	Viscosity	NA	
Auto ignition Temp. Flash Point NA NFPA Rating NA Explosion Limits Lower NA Upper NA Solubility Chloroform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	Boiling Point	NA	
Flash Point NA NFPA Rating NA Explosion Limits Lower NA Upper NA Solubility Chloroform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	Decomposition Temp	NA	
NFPA Rating Explosion Limits Lower NA Upper NA Solubility Chloroform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	Auto ignition Temp.	NA	
Explosion Limits Lower NA Upper NA Solubility Chloroform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	Flash Point	NA	
Lower NA Upper NA Solubility Chloroform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	NFPA Rating	NA	
Upper NA Solubility Chloroform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	Explosion Limits		
Solubility Chloroform, Methanol Specific Gravity/Density NA Section 10 : Stability and Reactivity	Lower	NA	
Specific Gravity/Density NA Section 10 : Stability and Reactivity	Upper	NA	
Section 10 : Stability and Reactivity	Solubility	Chloroform, Methanol	
	Specific Gravity/Density	NA	
Chemical Stability	Section 10 : Stability and Reactivity		
	Chemical Stability		

Direct contract to skin

Conditions to avoid

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Incompatibilities with other Materials	Keep away	
Hazardous Decomposition Products	NIL	
Hazardous Polymerization	NIL	
Section 11 : Toxicological Information		
CAS	NA	
LD50/LC50	NA	
Carcinogenicity	NIL	
Epidemiology	NIL	
Teratogenicity	NIL	
Reproductive Effects	NIL	
Neurotoxicity	NIL	
Mutagencity	NIL	
Other Studies	NA	
Section 12 : Ecological Information Data not available		
Section 13 : Disposal Consideration		
RCRA P-Series	Can be incinerated	
RCRA U-Series	NA	
Section 14: Transport Consideration		
UN-Number		
ADR/RID: IMDG: IATA:		
UN proper shipping name		
ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods		
Transport hazard class(es)		
ADR/RID: IMDG: IATA:		
Packaging Group		
ADR/RID: IMDG: IATA:		
Environmental hazards		

ADR/RID: No	IMDG Marine pollutant: No	IATA: No
Special precauti	ons for users	
Further informa	tion	

Section 15: Regulatory Information	
TSCA	Attached the letter
Health and Safety Reporting List	No data available
Chemical Test Rules	Chemical analysis report is attached

Section 16: Additional Information

This product is not bioactive, non-radioactive. It is for R and D use only. Not for drug, household or other uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge. It does not represent any guarantee of the product.