Material Safety Data Sheet

Section 1: Chemical Product Company Identification	
Product Name	Chlorhexidine Dihydrochloride In House Reference Standard
CAS No.	3697-42-5
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	1,1'-Hexamethylenebis[5-(p-chlorophenyl)biguanide] dihydrochloride
CAS No.	3697-42-5
Molecular Weight	505.5 2 36.5
Molecular Formula	C22H30Cl2N10 . 2 HCl

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

Section 4: First Aid Measures	
Еуе	Wash with plenty of water
Skin	Wash with plenty of water

hablation Remove to fresh air, artificial respiration or oxygen if necessary. Notes to Physician Chlorhosidine Dihydrochloride in House Reference Standard can be washed with plenty of water in case of any exposure Section 5: Firefighting Media Carbon dioxide, dry chemical powder, foam, water. Journal Fire and Explosion Hazards None indicated Section 6: Accidental Release Measures Personal Precautions Wear self-contained breathing apparatus, avoid dust formation. Section 7: Handlings and Storage Landling Wear surgical gloves Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Septiatory Protection Self-contained breathing apparatus NA Septiatory Protection Wear safety goggles Deter Protective Equipment Protection Self-contained breathing apparatus Section 9: Physical and Chemical Properties White Solid Odor less Welting Point NA Welting Point NA Ma Ma Ma Ma Ma Ma Ma Ma Ma M	Ingestion	Medical assistance for gastric layage		
Chlorhexidine Dihydrochloride 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. Journal 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 Landling Wear surgical gloves Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus Section 8: Exposure Controls, Personal Protection Wear safety goggles Deber Protection Wear safety goggles Protective Equipment Protection Self-contained breathing apparatus Chloring Cotton Wear safety goggles White Solid Odor Lotton White Solid Odor less Welting Point NA Basic Appearance Melting Point NA Self-controls Basic NA Macan Basic NA		Medical assistance for gastric lavage.		
Extinguishing Media Carbon dioxide, dry chemical powder, foam, water. 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 Handling Wear surgical gloves Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus NA Seye Protection Wear safety goggles Dither Protective Equipment Protective Equipment Protective Equipment Full sleeves apron Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Welting Point NA Self-contained breathing apparatus NA NA Self-contained breathing apparatus NA	Notes to Physician	Chlorhexidine Dihydrochloride In House Reference Standard can be		
Annusual Fire and Explosion Hazards None indicated Section 6: Accidental Release Measures Personal Precautions Wear self-contained breathing apparatus, avoid dust formation. Wash with plenty of water, provide adequate ventilation. Section 7: Handlings and Storage Handling Wear surgical gloves Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus NA Seye Protection Wear safety goggles Deter Protective Equipment Protective clothing Full sleeves apron Clothing Cotton Mitte Solid Odor Odor less Melting Point NA Basic Apper Pressure NA NA NA NA NA NA NA NA NA N	Section 5: Firefighting Measures			
Personal Precautions Wear self-contained breathing apparatus, avoid dust formation. Wash with plenty of water, provide adequate ventilation. Wash with plenty of water, provide adequate ventilation. Section 7: Handlings and Storage Handling Wear surgical gloves Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus NA Seye Protection Wear safety goggles Deter Protective Equipment Protective Equipment Protective clothing Self-contained breathing apparatus NA Seye Protection Wear safety goggles Protective clothing Cotton Self-contained breathing apparatus NA Wear safety goggles Protective Cothing Full sleeves apron Cotton Mitte Solid Odor Odor less Melting Point NA Self-contained breathing apparatus NA NA Self-contained breathing apparatus NA NA NA NA NA NA NA NA NA N	Extinguishing Media	Carbon dioxide, dry chemical powder, foam, water.		
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 Handling Wear surgical gloves Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus NA Wear safety goggles Protective Limits NA Wear safety goggles Protective Equipment Protective Equipment Protective Equipment Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA Basic Mapor Pressure NA	Unusual Fire and Explosion Hazards	None indicated		
Spills/Leaks Wash with plenty of water, provide adequate ventilation. Section 7: Handlings and Storage Handling Wear surgical gloves Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus Exposure Limits NA Wear safety goggles Other Protective Equipment Protective Cothing Full sleeves apron Clothing Cotton White Solid Odor Odor less Melting Point NA Basic Vapor Pressure NA	Section 6: Accidental Release Measures			
Section 7: Handlings and Storage Handling Wear surgical gloves Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus Exposure Limits NA Wear safety goggles Other Protective Equipment Protective clothing Full sleeves apron Clothing Cotton Appearance White Solid Odor Odor less Melting Point NA Basic Vapor Pressure NA	Personal Precautions	Wear self-contained breathing apparatus, avoid dust formation.		
Handling Wear surgical gloves Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Exposure Limits NA Experence Wear safety goggles Other Protective Equipment Protective clothing Skin Full sleeves apron Cotton Cotton White Solid Odor White Solid Odor less Melting Point NA Basic Vapor Pressure NA NA Can be stored at room temperature Self-contained breathing apparatus NA Wear safety goggles Protective clothing Full sleeves apron Cotton Cotton	Spills/Leaks	Wash with plenty of water, provide adequate ventilation.		
Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus NA Exposure Limits NA Wear safety goggles Other Protective Equipment Protective clothing Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor less Melting Point NA Basic Vapor Pressure NA	Section 7: Handlings and Storage			
Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus NA Exposure Limits NA Wear safety goggles Other Protective Equipment Protective clothing Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor less Melting Point NA Basic Vapor Pressure NA	Handling	Wear surgical gloves		
Respiratory Protection Self-contained breathing apparatus NA Exposure Limits NA Wear safety goggles Other Protective Equipment Protective clothing Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA Basic Vapor Pressure NA	Storage	Can be stored at room temperature		
Exposure Limits Eye Protection Wear safety goggles Protective Equipment Protective Clothing Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA Basic Vapor Pressure NA	Section 8: Exposure Controls, Personal Protection			
Eye Protection Wear safety goggles Other Protective Equipment Protective Clothing Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA Self Basic Vapor Pressure NA	Respiratory Protection	Self-contained breathing apparatus		
Other Protective Equipment Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA DH Basic Vapor Pressure NA	Exposure Limits	NA		
Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA Basic Vapor Pressure NA	Eye Protection	Wear safety goggles		
Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA Basic Vapor Pressure NA	Other Protective Equipment	Protective clothing		
Section 9: Physical and Chemical Properties Appearance Odor Odor less Melting Point NA Basic Vapor Pressure NA	Skin	Full sleeves apron		
Appearance White Solid Odor Odor less Melting Point NA DH Basic Vapor Pressure NA	Clothing	Cotton		
Odor Odor less Melting Point NA Basic Vapor Pressure NA	Section 9: Physical and Chemical Properties			
Melting Point NA Basic Vapor Pressure NA	Appearance	White Solid		
DH Basic Vapor Pressure NA	Odor	Odor less		
Vapor Pressure NA	Melting Point	NA		
	рН	Basic		
Vapor Density NA	Vapor Pressure	NA		
	Vapor Density	NA		
Evaporation Rate NA	Evaporation Rate	NA		
Viscosity	Viscosity	NA		

Boiling Point	NA	
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		
Chemical Stability Stable		
Conditions to avoid	Direct contract to skin	
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	

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 precautions for users

Further information

Section	15:	Regulator	v Inforn	nation
Section	10.	regulator	y 1111011	nation

TSCA	Attached the letter
Health and Safety Reporting List	No data available
Chemical Test Rules	Chemical analysis report is attached

Section 16: Additional Information

 $This \ product \ is \ not \ bioactive, \ non-radio active. \ It \ is \ for \ R/D \ use \ only. \ Not \ for \ drug, \ household \ or \ other \ uses.$

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.