Material Safety Data Sheet

Section 1: Chemical Product Company Identification	
Product Name	Prednisone EP Impurity D
CAS No.	10184-69-7
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	17,21-Dihydroxypregna-1,4,9(11)-triene-3,20-dione	
CAS No.	10184-69-7	
Molecular Weight	342.4	
Molecular Formula	C21H26O4	

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

Ingestion Medical assistance for gastric lavage. Inhalation Remove to fresh air, artificial respiration or oxygenif necessary. Notes to Physician Predisone EP Impurity D2 can be washed with plenty of water in case of any exposure Section 5: Firefighting Measures Extinguishing Media Carbon disaids, dry chemical powder, foam, water. Unusual Fire and Explosion Hazards None indicated Section 6: Accidental Release Measures Section 7: Handlings and Storage Handling Wear surgical gloves Section 7: Handlings and Storage Handling Wear surgical gloves Section 8: Exposure Controls, Personal Protection Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus Section 9: Handling apparatus Section 9: Handling apparatus Section 9: Handling apparatus Section 9: Handling apparatus Section 9: Protection Can be stored at room temperature Section 9: Exposure Controls, Personal Protection Exposure Limits NA Exposure Limits NA Fye Protection Wear safety goggles Other Protective Equipment Protection Fye Protection Code Code Self-contained breathing apparatus Skin Full sleeves apron Clothing Cotton Self-contained Protective Equipment Na Fye Protective Ordining Na Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA Melting Point NA Vapor Pressure NA Vapor Pressure NA Vapor Density NA Vapor Density NA Viscosity NA Viscosity NA				
Notes to Physician Preditione EP Impurity D3 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. Spilis/Leaks Wash with plenty of water, provide adequate ventilation. Section 7: Handlings and Storage Handling Wear surgical gloves Storage Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus Exposure Limits NA Exposure Limits NA Experiment Protective Equipment Protection Section 9: Physical and Chemical Properties Section 9: Physical and Chemical Properties Melting Point NA PH Basic Vapor Pressure NA Vapor Density NA Vapor Density NA Exporation Rate NA Exporation Rate NA Exporation Rate NA	Ingestion	Medical assistance for gastric lavage.		
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 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 Eye Protection Wear safety goggles Other Protective Equipment Protection Self-contained breathing apparatus Skin Full sleeves apron Clothing Cotton Clothing Cotton Section 9: Physical and Chemical Properties Melting Point NA Melting Point NA Pull Basic Vapor Perssure NA Vapor Density NA Exporation Rate NA Exporation Rate	Inhalation	Remove to fresh air, artificial respiration or oxygen if necessary.		
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 Handling Wear surgical gloves Storage Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus NA Eye Protection Wear safety goggles Other Protective Equipment Protective Cothing Skin Full Sieeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor Goderess Melting Point NA PH Basic Vapor Pressure NA Vapor Perssure NA Vapor Density NA Evaporation Rate NA Evaporation Rate	Notes to Physician			
Unusual Fire and Explosion Hazards 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 Storage Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus NA Eye Protection Wear safety goggles Other Protective Equipment Protective Equipment Protective Equipment Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Vapor Density NA Exporation Rate	Section 5: Firefighting Measures			
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 Scripage Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus NA 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 PH Basic Vapor Perssure NA Vapor Density NA Evaporation Rate	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 Storage Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus NA Eye Protection Wear safety goggles Other Protective Equipment Protective Equipment Protective Cotting Scion 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate	Unusual Fire and Explosion Hazards	None indicated		
Spills/Leaks Washwith plenty of water, provide adequate ventilation. Section 7: Handlings and Storage Handling Wear surgical gloves Storage Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Exposure Limits NA Eye Protection Wear safety goggles Other Protective Equipment Protective Equipment Protective In It Is a like the same of the same o	Section 6: Accidental Release Measures			
Section 7: Handlings and Storage Handling Wear surgical gloves Storage Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Exposure Limits NA 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 pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Personal Precautions	Wear self-contained breathing apparatus, avoid dust formation.		
Handling Wear surgical gloves Storage Can be stored at room temperature Section 8: Exposure Controls, Personal Protection Respiratory Protection Self-contained breathing apparatus Exposure Limits NA Eye Protection Wear safety goggles Other Protective Equipment Protective Equipment Protective Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Eyen Total Arrow Temperature Can be surgical gloves Self-contained breathing apparatus Self-contained breathing apparatus Self-contained breathing apparatus Self-contained breathing apparatus NA Wear safety goggles Other Protective Equipment Protective Clothing Cotton Self-contained breathing apparatus NA Wear safety goggles Wear safety goggles Other Protective Equipment Protective Clothing Self-contained breathing apparatus NA Wear safety goggles Other Protective Clothing Protective Clothing NA NA NA NA	Spills/Leaks	Wash with plenty of water, provide adequate ventilation.		
Section 8: Exposure Controls, Personal Protection Respiratory Protection Exposure Limits NA Eye Protection Wear safety goggles Other Protective Equipment Protective Equipment Protective Limits Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Vapor Density Evaporation Rate Can be stored at room temperature Can be stored at room temperature Appearatus Self-contained breathing apparatus Appearatus NA Wear safety goggles Cotton Wear safety goggles Vear safety goggles Vapor Density NA NA	Section 7: Handlings and Storage			
Section 8: Exposure Controls, Personal Protection Respiratory Protection Exposure Limits NA 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 pH Basic Vapor Pressure NA Vapor Density Evaporation Rate Self-contained breathing apparatus Self-contained breathing apparatus Mear safety goggles Waer safety goggles Wear safety goggles Wear safety goggles Wear safety goggles Waer safety goggles Waer safety goggles Waer safety goggles NA NA Self-contained breathing apparatus NA Self-contained breathing apparatus NA Waer safety goggles NA NA NA NA NA NA	Handling	Wear surgical gloves		
Respiratory Protection Self-contained breathing apparatus Exposure Limits NA Eye Protection Wear safety goggles Other Protective Equipment Protective Equipment Protective Equipment Cotton Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate	Storage	Can be stored at room temperature		
Exposure Limits NA Eye Protection Wear safety goggles Other Protective Equipment Protective Equipment Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA PH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Section 8: Exposure Controls, Personal Protection			
Eye Protection Wear safety goggles Other Protective Equipment Protective Equipment Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate Na Protective clothing Wear safety goggles Wear safety goggles Wear safety goggles Wear safety goggles Na Full sleeves apron Odor Odor NA **NA **Protective clothing **Pull sleeves apron **Other clothing **Protective clothing **Pull sleeves apron **Other clothing **Other clothing **Other clothing **Pull sleeves apron **Other clothing **Other clothing **Other clothing **Pull sleeves apron **Other clothing **	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 PH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA Protective clothing Full sleeves apron Cotton Full sleeves apron Author Cotton Author Cotton White Solid NA NA NA NA NA NA NA NA NA NA	Exposure Limits	NA		
Skin Full sleeves apron Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Eye Protection	Wear safety goggles		
Clothing Cotton Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate Cotton Cotton	Other Protective Equipment	Protective clothing		
Section 9: Physical and Chemical Properties Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Skin	Full sleeves apron		
Appearance White Solid Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Clothing	Cotton		
Odor Odor less Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Section 9: Physical and Chemical Properties			
Melting Point NA pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Appearance	White Solid		
pH Basic Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Odor	Odor less		
Vapor Pressure NA Vapor Density NA Evaporation Rate NA	Melting Point	NA		
Vapor Density NA Evaporation Rate NA	рН	Basic		
Evaporation Rate NA	Vapor Pressure	NA		
	Vapor Density	NA		
Viscosity NA	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
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.