Material Safety Data Sheet

Section 1 : Chemical Product Company Identification	
Product Name	Vinblastine Impurity D
CAS No.	NA
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	Methyl (3aR,3a1R,4R,5S,5aR,10bR)-4-acetoxy-3a-ethyl-9-((5S,7R,9S)-5-ethyl -5-hydroxy-9-(methoxycarbonyl)-15-oxo-1,4,5,6,7,8,9,10-octahydro- 2H-3,7-methano[1]azacycloundecino[5,4-b]indol-9-yl)-5-hydroxy-8- methoxy-6-methyl-3a,3a1,4,5,5a,6,11,12-octahydro-1H-indolizino[8, 1-cd]carbazole-5-carboxylate
CAS No.	NA
Molecular Weight	825.0
Molecular Formula	C46H56N4O10

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

Hazard Statement:

1302: Harmful if swallowed.	
I312: Harmful in contact with skin.	
I315: Causes skin irritation.	
1319: Causes serious eye irritation.	
1332: Harmful if inhaled.	
1335:May cause respiratory irritation.	
Precautionary Statement:	
261: Avoid breathing dust/fume/gas/mist/vapours/spray.	
262: Do not get in eyes, on skin, or on clothing.	
271: Use only outdoors or in a well-ventilated area.	
280: Wear protective gloves/protective clothing/eye protection/face protection.	
P302 + P352:IF ON SKIN: Wash with plenty of water	
2304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.	

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313:IF exposed or concerned: Get medical advice/attention.

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 oxygen if necessary.
Notes to Physician	Vinblastine Impurity D can be washed with plenty of water in case of any exposure

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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
Storage	

Section 8 : Exposure Controls, Personal Protection	
Respiratory Protection	Self-contained breathing apparatus
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	Off white solid	
Odor	Odor less	
Melting Point	NA	
рН	Basic	
Vapor Pressure	NA	
Vapor Density	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	

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	

Section 13 : Disposal Consideration	
RCRA P-Series	Can be incinerated
RCRA U-Series	NA

Section 14 : Transport Consideration		
JN-Number		
ADR/RID: IMDG: IATA:		
JN 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 : 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.