Material Safety Data Sheet

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Section 1 : Chemical Product Company Identification	
Product Name	Etoposide EP Impurity E
CAS No.	6559-91-7
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	(5R,5aR,8aR,9S)-9-Hydroxy-5-(4-hydroxy-3,5-dimethoxyphenyl)-5,8, 8a,9-tetrahydro[2]benzofuro[5,6-f][1,3]benzodioxol-6(5aH)-one
CAS No.	6559-91-7
Synonyms	Teniposide USP Related Compound A; 42-desmethylepipodophyllotoxin
Molecular Weight	400.4
Molecular Formula	C21H20O8

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

Hazard Statement:

H315-Causes skin irritation. H319-Causes skin irritation. H319-Causes skin irritation. H319-Causes serious eye irritation. H329-Harmfull 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 protection. P302 + P352:IF ON SKIN: Wash with plenty of water P304 + 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 Eye 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 Etoposide EP Impurity E 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 Wear self-contained breathing apparatus, avoid dust formation.		
H319-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 protection. P302 + P352:IF ON SKIN: Wash with plenty of water P304 + P340:IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305 + P351 + P388: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 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 Etoposide EP Impurity E 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 Wear self-contained breathing apparatus, avoid dust formation.	H302:Harmful if swallowed.	
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Personal Precautions Wear self-contained breathing apparatus, avoid dust formation.	Unusual Fire and Explosion Hazards	None indicated
	Section 6 : Accidental Release Measures	
Spills/Leaks Wash with plenty of water, provide adequate ventilation.	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	
·		

Full sleeves apron

Cotton

Skin

Clothing

Section 9: Physical and Chemical Properties	
Appearance	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

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 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.